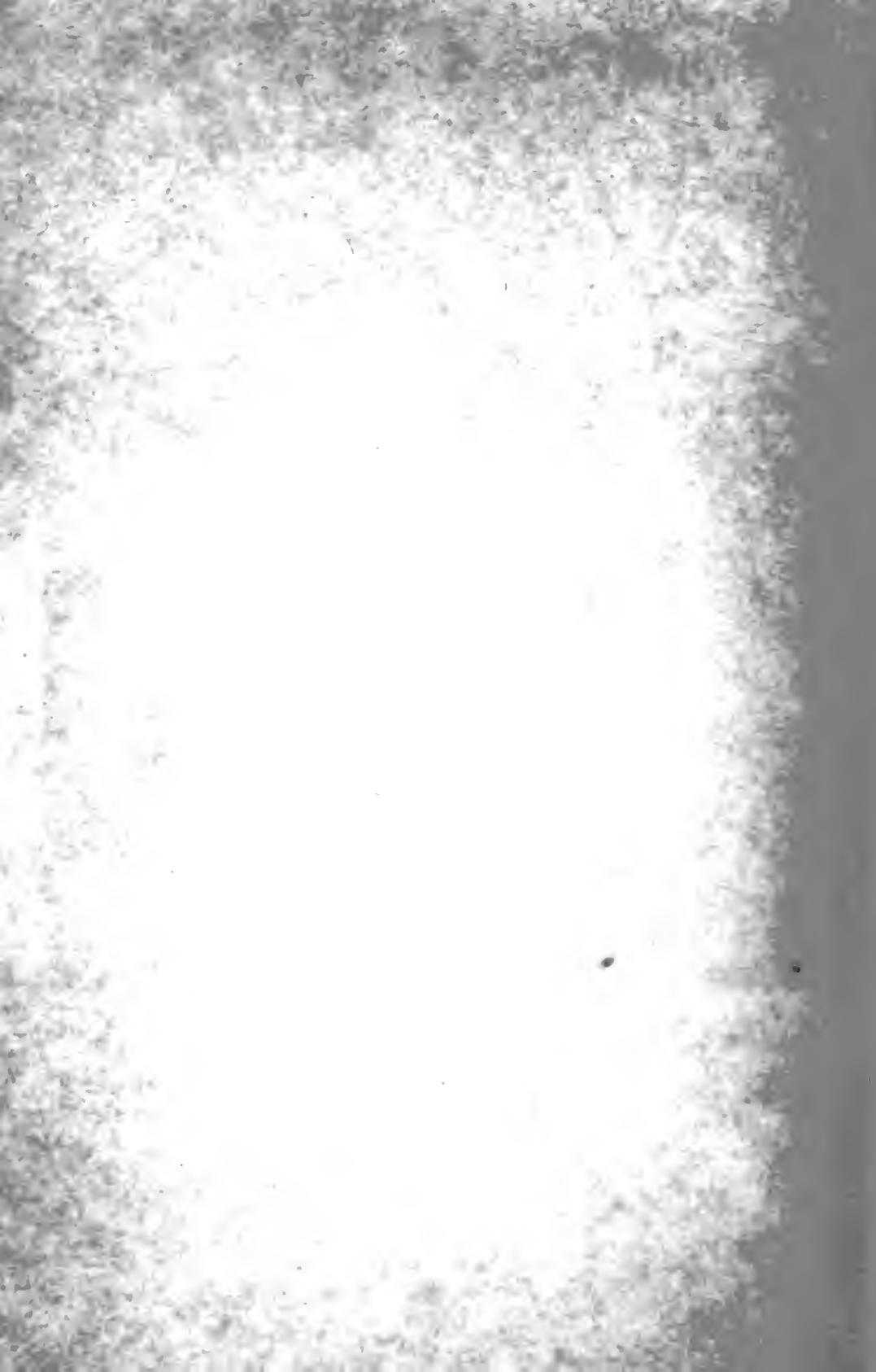


USCS

University of South Carolina at Spartanburg



1991-93 Catalog



**The University of South Carolina
at
Spartanburg**

Catalog, 1991-1993



Mailing Address: The University of South Carolina at Spartanburg
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The University of South Carolina at Spartanburg reserves the right to make changes in curricula, degree requirements, course offerings, and all academic regulations when in the judgment of the faculty, the chancellor, the president, or the board of trustees such changes are in the best interest of the students and the university.

Registration at the university assumes the student's acceptance of all published academic regulations, including those which appear in this catalog and all others found in any official announcement.

The University of South Carolina at Spartanburg is committed to a policy of affirmative action which assures equal opportunity in education and employment to all qualified persons regardless of race, sex, religion, creed, handicap, disability, veteran status, national origin, or ancestry.

I certify that this catalog is true and correct in content and policy and states progress requirements for graduation.

Olin B. Sansbury Jr.
Chancellor, USCS

The University of South Carolina at Spartanburg Catalog is published biyearly at Spartanburg, South Carolina.

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Academic Calendar, 1991-92

Fall 1991

Aug. 26, Mon.	Classes begin
Aug. 28, Wed.	Last day to change a course or drop a course without a grade of W being recorded
Sep. 2, Mon.	Labor Day
Sep. 16, Mon.	Last day to apply for Dec. graduation
Oct. 14 & 15, Mon. & Tue.	Fall break
Oct. 23, Wed.	Last day to withdraw from a class without a grade of WF being recorded
Nov. 28 & 29, Thr. & Fri.	Thanksgiving break
Dec. 9, Mon.	Classes end
Dec. 10 - 16, Tue. - Mon.	Final examinations

Spring 1992

Jan. 16, Thr.	Classes begin
Jan. 20, Mon.	Last day to change a course or drop a course without a grade of W being recorded
Feb. 5, Wed.	Last day to apply for May graduation
Mar. 12, Thr.	Last day to withdraw from a class without a grade of WF being recorded
Mar. 23 - 27, Mon. - Fri.	Spring break
Apr. 29, Wed.	Classes end
Apr. 30 - May 6, Thr. - Wed.	Final examinations
May 6-26	Honors Seminar

Summer Session I 1992

May 28, Thr.	Classes begin
May 28, Thr.	Last day to change a course or drop a course without a grade of W being recorded
June 15, Mon.	Last day to apply for Aug. graduation
June 17, Wed.	Last day to withdraw from a class without a grade of WF being recorded
June 30, Tue.	Classes end
July 1 & 2, Wed. & Thr.	Final examinations

Summer Session II 1992

July 7, Tue.	Classes begin
July 7, Tue.	Last day to change a course or drop a course without a grade of W being recorded
July 27, Mon.	Last day to withdraw from a class without a grade of WF being recorded
Aug. 7, Fri.	Classes end
Aug. 10 & 11, Mon. & Tue.	Final examinations

Academic Calendar, 1992-93

Fall 1992

Aug. 24, Mon.	Classes begin
Aug. 26, Wed.	Last day to change a course or drop a course without a grade of W being recorded
Sep. 7, Mon.	Labor Day
Sep. 15, Tue.	Last day to apply for Dec. graduation
Oct. 12 & 13, Mon. & Tue.	Fall break
Oct. 20, Tue.	Last day to withdraw from a class without a grade of WF being recorded
Nov. 3, Tue.	Election day
Nov. 26 & 27, Thr. & Fri.	Thanksgiving break
Dec. 8, Tue.	Classes end
Dec. 9 - 15, Wed. - Tue.	Final examinations

Spring 1993

Jan. 14, Thr.	Classes begin
Jan. 18, Mon.	Last day to change a course or drop a course without a grade of W being recorded
Feb. 4, Thr.	Last day to apply for May graduation
Mar. 15, Mon.	Last day to withdraw from a class without a grade of WF being recorded
Apr. 5 - 9, Mon. - Fri.	Spring break
Apr. 28, Wed.	Classes end
Apr. 29 - May 5, Thr. - Wed.	Final examinations
May 6-26	Honors Seminar

Summer Session I 1993

May 27, Thr.	Classes begin
May 27, Thr.	Last day to change a course or drop a course without a grade of W being recorded
June 15, Tue.	Last day to withdraw from a class without a grade of WF being recorded
June 17, Thr.	Last day to apply for Aug. graduation
June 29, Tue.	Classes end
June 30 & July 1, Wed. & Thr.	Final examinations

Summer Session II 1993

July 6, Tue.	Classes begin
July 6, Tue.	Last day to change a course or drop a course without a grade of W being recorded
July 26, Mon.	Last day to withdraw from a class without a grade of WF being recorded
Aug. 6, Fri.	Classes end
Aug. 9 & 10, Mon. & Tue.	Final examinations



The University

The University of South Carolina at Spartanburg is a coeducational, state-assisted institution offering academic programs in the liberal arts, sciences, business administration, nursing and teacher education. USCS is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award associate degrees and bachelor's degrees.

The faculty includes more than 150 full-time instructors and professors who hold degrees from a broad representation of colleges and universities.

USCS is located near the foothills of the Blue Ridge Mountains. The 298-acre campus has seven major buildings, plus an activities building, athletic fields, and a child development center.

USCS recognizes that its primary responsibility is to educate students to live successfully with worldwide technological change and cultural diversity. Education also must prepare students to meet economic and social challenges and must enhance the quality of life. In view of these obligations, USCS has adopted the following mission statement:

USCS graduates are competent in their major fields of study. They can communicate effectively in standard English; they know how to find information and to evaluate it quantitatively and analytically; they have an expanded knowledge and understanding of their natural and social environments; they have a heightened awareness and appreciation of language, literature, the visual and performing arts; and they have an awareness of the roots of their own history, values and culture, as well as those of others.

USCS students are expected to enlarge their sense of personal responsibility to include lifelong learning and physical well-being; they are given opportunities to work cooperatively with others; they are encouraged to deepen their sense of ethics and to become aware of the connection between individual choices and community life.

History

The history of the University of South Carolina at Spartanburg is a chronicle of remarkable growth and development. In 24 years, USCS has grown from a small regional campus into an important center of higher education for the entire upcountry region.

USCS was established primarily to avert what could have been a serious health care problem. In 1967, the Spartanburg General Hospital announced it was phasing out its diploma program for registered nurses. A citizens' committee investigated the situation

and ultimately requested that Spartanburg be included in the University of South Carolina system.

The Spartanburg Regional Campus, as the two-year school was first known, opened its doors in the fall of 1967 to 177 students, many of whom pursued an associate of science degree in technical nursing. For the first two years, classes met on the first floor of the Spartanburg General Hospital nursing residence. When the enrollment reached 488, classes were moved to the old County Health Department. Rapid growth soon made USCS a candidate for four-year status under the provisions of a 1972 legislative act.

In the fall of 1975, the Spartanburg Regional Campus officially became the University of South Carolina at Spartanburg and the first twelve bachelor degree programs were approved by the South Carolina Commission on Higher Education. Today, with an undergraduate enrollment of more than 3500, USCS looks forward to expanding its services to citizens from all over the Piedmont.

Public Service

In addition to academic excellence, the University of South Carolina at Spartanburg is dedicated to public service activities.

The Science Education Center, in the School of Education, has received national recognition for its programs to improve the teaching of science in elementary and secondary schools. The Center for Economic and Community Development, in the School of Business, provides outreach services for business, industry and education interests in the Piedmont region.

Thousands of public school students have participated in programs such as the Piedmont Regional Science Fair, an annual writing and art competition, and History Day.

USCS administers 70001, a youth employment program, in Cherokee, Spartanburg and Union counties. The program provides employability training and job placement, instruction and career activities for school dropouts.

Each year the university offers a wide range of art exhibits, special lectures, music concerts, plays, foreign films and other special events for students and the community.

The Carolina Piedmont Foundation, Inc.

Chartered on February 2, 1973, the Carolina Piedmont Foundation, Inc., exists to accept gifts of charitable, benevolent, cultural and educational purposes for the exclusive benefit and use of the University of South Carolina at Spartanburg. Fully accredited as a non-profit organization under section 501 (c) (3) of the Internal Revenue Code, the foundation is governed by a board of directors consisting of prominent men and women from upstate South Carolina.

The foundation raises private funds for facilities and programs, administers scholarship and loan endowments, and supports USCS public service activities.

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Admission



All qualified persons are welcome to apply for admission to the University of South Carolina at Spartanburg. The University of South Carolina system is committed to the policy and practice of affirmative action and equal opportunity in education for all qualified persons regardless of race, color, religion, sex, disability, or national origin. Admission to USCS does not guarantee or imply admission to any university program. Those having questions about the admission process or wishing to visit the USCS campus, should contact the Office of Admissions at (803) 599-2246. The admissions staff is available from 8:30 A.M. to 5:00 P.M. Monday through Friday. The admissions office is located on the second floor of the Administration Building.

Freshman Admission

Applicants who have attempted no formal course work beyond high school are classified as freshmen. Applicants for freshman admission must submit the following:

- Completed application form, \$25 application fee, and official high school transcripts.
- SAT scores or ACT scores if under the age of 25.
- Evidence of high school graduation or official General Educational Development (GED) transcripts.

Course Requirements

Prospective freshmen who graduated from high school in 1988, or after, are required to have earned, at a minimum, the following high school units:

<i>Area</i>	<i>Units</i>	<i>Description</i>
English	4	College preparatory
Mathematics	3	Algebra I, Algebra II, and one unit above the Algebra II level are required.
Laboratory science	2	One unit each from the biological sciences and one from the physical sciences, i.e. physics or chemistry.
Foreign language	2	Must be the same foreign language
Social studies	3	One unit of United States history and two additional units of social studies
Physical education or ROTC	1	
Other	5	At least one of the required units must be college preparatory work.

There are no course requirements for applicants who graduated from high school prior to 1988.

Academic Requirements

Freshman admission requirements for applicants under the age of 25 are:

- High school grade point ratio of 2.0 (based upon a 4.0 scale).

- Minimum total SAT score of 700 or ACT composite score of 18 (15 minimum prior to October 1989).

Upon appeal, provisional admission may be granted after review of completed academic record in the event a student's credentials do not meet minimum requirements.

Applicants 25 years of age or older do not have to meet minimum freshman academic requirements.

Transfer Admission

A transfer applicant is a person who graduated from high school or has received a General Educational Development (GED) certificate and has attempted course work at a college, university or technical institution. Transfer applicants must submit the following:

- Completed application form and \$25 application fee.
- Official final transcripts from all schools attended. Transcripts should be sent directly to the USCS Office of Admissions.

Course Requirements

Transfer students with fewer than 30 semester or 45 quarter hours and who graduated from high school in 1988 or after, must meet minimum high school course requirements as listed under Freshman Admission.

Academic Requirements

Transfer applicants must:

- Be academically eligible to return to the college last attended. (Applicants suspended from another institution for disciplinary reasons must appeal to and be approved by the Committee on Admissions and Petitions before being admitted to the university.)
- Have a cumulative grade point ratio of 2.0 or better (based upon a 4.0 scale) on course work attempted.
- Meet academic requirements as listed under Freshman Admission, if they have attempted fewer than 30 semester hours or 45 quarter hours.

Upon appeal, probationary admission may be granted to transfer students. Transfer applicants who have not attended school for two years, or longer, may be eligible for probationary admission.

International Student Admission

USCS welcomes the application of qualified degree-seeking international students. They may contact the Office of Admissions for an International Student Application Packet. International students must submit the following:

- Completed international student application and the \$25 (U.S. currency) application fee.
- Test of English as a Foreign Language (TOEFL): All international students except those whose native language is English must present a minimum TOEFL score of 500.
- Academic credentials: Applicants must submit official credentials translated in English.
- Financial statement: Complete and return the Declaration and Certification of Finances form to the Office of Admissions.
- Scholastic Aptitude Test (SAT): All applicants are required to take the SAT and have an official copy of the results sent to the Office of Admissions.

Readmission of Former Degree-Seeking Students

Persons previously enrolled at USCS who have missed one or more major semesters must submit the following:

- Completed application form for readmission. (No application fee required).

Applicants who have attempted course work at a college, university, or technical institution since last attending USCS must submit the following:

- Official final transcripts from the institutions attended. Transcripts should be sent directly to the USCS Office of Admissions.

Academic Requirements

Readmit applicants with current transfer credit must:

- Meet academic requirements as listed under Transfer Admission.

Transcripts of all academic course work attempted since last attending USCS must also be submitted to the Office of Admissions. No application fee is required.

Transient Admission

Transient students are persons who have been accepted or are enrolled at other colleges or universities and wish to take courses at USCS. Admission as a transient is granted for one semester or for a summer session. Transient applicants must submit the following:

- Completed application form and \$25 application fee.
- Permission from home institution to enroll in USCS courses.

Admission of Undergraduates with a Degree

Applicants who hold a bachelor's degree from an accredited institution of higher education and wish to apply for admission must submit the following:

- Completed application form and \$25 application fee.
- Transcript showing date of graduation or a copy of your diploma.

Admission of High School Seniors

Applicants who have completed their junior year in high school and wish to enroll at USCS must submit the following:

- Completed application form and \$25 application fee.
- SAT score of 900 or better
- Letter of recommendation from high school principal or counselor indicating specific course(s) to be taken.

Admission of Auditors

Persons wishing to take USCS courses without earning credit may apply for admission as an audit student. USCS does not permit students to repeat audited courses for credit. Audit applicants must submit:

- Complete an application form and a \$25 application fee.

Other Admission Classifications

Other special admission classifications are available to persons who desire to take USCS courses for professional advancement, teaching certification, preparation for graduate study or personal interest.

Interested individuals must submit:

- Completed application form and \$25 application fee.
- Have previous academic transcripts sent to the Office of Admissions.

Financial Aid

Purpose and Eligibility

USCS offers a full range of financial assistance programs designed to assist students and their families with the cost of education. These programs provide financial aid resources in the form of grants, scholarships, loans, and employment opportunities. These resources are awarded to students based on financial need, academic promise, leadership potential, special talents, or a combination of these criteria. Descriptions of these programs and their requirements may be found in the following pages in this catalog. In 1989-90 about 44% of USCS students received financial assistance totaling more than \$3.6 million.

Eligibility for assistance based on financial need is determined by completing a federally approved needs analysis form. USCS prefers applicants use the Family Financial Statement (FFS) provided by American College Testing (ACT). The FFS calculates how much the student and family can contribute toward the cost of college from current income and resources. The difference between what the family can contribute and the cost of education is the student's financial need. USCS seeks to identify and provide funds to meet the financial need of its students. To the extent resources are available, it is intended that no student be denied an education because of financial need.

Financial assistance programs have individual requirements in addition to a demonstration of financial need through completion the FFS. These requirements generally include, but are not limited to, enrollment, in good standing, in a program of study leading to a degree or teaching certificate, enrollment in a minimum of six hours each semester, and maintenance of satisfactory academic progress.

Satisfactory Academic Progress

Institutions participating in Title IV federal financial aid programs are required by the United States Department of Education to establish institutional policies that define satisfactory academic progress. All students who receive federal or institutional financial assistance at the University of South Carolina at Spartanburg are expected to maintain satisfactory progress towards completion of their programs of study in a reasonable period of time. Financial assistance programs covered by this policy include all federal financial aid programs (Pell Grants, Supplemental Educational Opportunity Grants, Stafford Student Loans, Perkins Loans, Supplemental Loans for Students, Nursing Student Loan Program, South Carolina Teacher Loans, Parent Loans for Students, and College Work-Study) and institutional financial assistance programs (athletic grants, academic scholarships, stipends, Minority Incentive Grants, and student employment).

The following policy has been approved by the University of South Carolina at Spartanburg Financial Aid Committee. Students are considered to be making satisfactory academic progress if they:

- are admitted and enrolled as degree or certificate students.
- meet the university standards for continued enrollment as specified in the academic standing section of this catalog. A waiver granted by the Admissions and Petitions Committee for continued enrollment does not constitute evidence of satisfactory progress for financial assistance.
- complete requirements for a degree or certificate within a reasonable length of time as specified below:
 1. The total number of semesters of full-time enrollment (12 or more semester hours attempted) at any post-secondary institution does not exceed 10 semesters for a bachelor's degree or five semesters for an associate's degree.
 2. The total number of semesters of part-time enrollment (less than 12 semester hours attempted) does not exceed the equivalent of 10 full-time semesters for a bachelor's degree or the equivalent of five full-time semesters for an associate's degree.
- earn no fewer than the following specified hours of undergraduate semester hours per academic year (includes fall, spring, and summer terms):

Full time student (12 or more hours attempted a semester)

Year 1	24 hours per academic year
Year 2	24 hours per academic year or 48 hours cumulative
Year 3	24 hours per academic year or 72 hours cumulative
Year 4	24 hours per academic year or 96 hours cumulative
Year 5	24 hours per academic year or 120 hours cumulative

3/4 time student (9-11 hours attempted a semester)

Year 1	18 hours per academic year
Year 2	18 hours per academic year or 36 hours cumulative
Year 3	18 hours per academic year or 54 hours cumulative
Year 4	18 hours per academic year or 72 hours cumulative
Year 5	18 hours per academic year or 90 hours cumulative
Year 6	18 hours per academic year or 108 hours cumulative
Year 7	18 hours per academic year or 120 hours cumulative

1/2 time student (6-8 hours attempted a semester)

Year 1	12 hours per academic year
Year 2	12 hours per academic year or 24 hours cumulative
Year 3	12 hours per academic year or 36 hours cumulative
Year 4	12 hours per academic year or 48 hours cumulative
Year 5	12 hours per academic year or 60 hours cumulative
Year 6	12 hours per academic year or 72 hours cumulative
Year 7	12 hours per academic year or 84 hours cumulative
Year 8	12 hours per academic year or 96 hours cumulative
Year 9	12 hours per academic year or 108 hours cumulative
Year 10	12 hours per academic year or 120 hours cumulative

Nursing Students

Nursing students with associate degree nursing majors may be permitted financial assistance to cover individualized nursing school prerequisites.

Transfer Students

Transfer students receiving unqualified admission to the university will be considered to be making satisfactory academic progress for financial aid at the time of enrollment unless the total number of hours attempted at all post-secondary institutions exceeds the equivalent of 10 full-time semesters.

Transfer students gaining admission through the Admissions and Petitions Committee must attain a minimum 2.0 grade point ratio on the first twelve hours attempted to maintain further financial aid eligibility. Eligibility for financial assistance is limited to a total of the equivalent of 10 full-time semesters of enrollment at all postsecondary institutions attended.

Transfer students entering the associate degree nursing program may receive financial aid for nursing curriculum requirements and pre-nursing requirements only, providing enrollment does not exceed the maximum permitted for other degrees.

Academic Suspension

Upon application in writing, students readmitted following a completed academic suspension will be eligible for financial aid if they are enrolled in a minimum of six semester hours. A waiver of academic suspension does not constitute completion of suspension. These students must earn a 2.0 grade point ratio on the first twelve hours attempted following readmission to maintain further financial aid eligibility. Following completion of twelve hours, subsequent financial aid eligibility will be determined by the conditions previously stated.

Students not making satisfactory academic progress are not eligible for further financial assistance.

Appeals

If a student's ability to meet these standards is affected by extenuating circumstances he or she may appeal this determination. Information concerning the appeals process is available in the financial aid office. Appeals will be considered only at the end of the fall semester and following the second session of summer school. Students not meeting these standards at the end of spring term are expected to attend summer school to make up deficit hours or improve the cumulative grade point ratio. The appeal form and all required supporting documentation must be received in the Office of Financial Aid within three weeks of the last day of classes of the semester. Incomplete appeals or appeals received after the deadline will be returned upon receipt.

Grants

Pell Grants are designed to be the foundation of financial aid. Their purpose is to make sure that all eligible students have at least some of the money needed to continue their education after high school. The amount of a Pell Grant award depends on a student's

financial need, the cost of the student's education, and the amount of time the student is enrolled during the school year.

Supplemental Educational Opportunity Grants are awarded to a very limited number of students with financial need. The grants are restricted due to the shortage of appropriated federal funds.

Loans

Buchheit Nursing Loans are provided through the Carolina Piedmont Foundation for qualified nursing students who are residents of Spartanburg County and who show academic promise and financial need. Long-term loans of up to 85 percent of tuition are available each semester. Repayment is in monthly installments to begin three months after graduation or withdrawal from the nursing program.

Holcomb Memorial Nursing Student Loans are provided through the Carolina Piedmont Foundation for students enrolled in the nursing program who show academic promise and financial need. Repayment begins three months after graduation or withdrawal from the nursing program.

Murph Memorial Loans are for sophomores with financial need who are enrolled in the Associate Degree in Technical Nursing program. Repayment must begin three months after graduation or withdrawal.

Parent Loans for Undergraduate Students (PLUS) allow parents to borrow as much as \$4,000 per year without regard to income. A credit check is required. Repayment of principal and interest begins within 60 days after disbursement. The variable interest rate for 1990 was 11.49 percent. The rate will be determined by the Secretary of the Department of Education each December 15, according to the formula prescribed by Congress, and will become effective on January 1 of each new calendar year. Loan applications may be obtained from the financial aid office.

Perkins Loans (formerly National Direct Student Loans) permit students to borrow money from the federal government through the university on a need basis. Repayment and interest begin six months after graduation, leaving school, or dropping below half-time enrollment. The interest rate is 5 percent per year and repayment may be extended over a period of ten years.

Stafford Loans (formerly Guaranteed Student Loans) allow students to borrow as much as \$2,625 for each of the first two college years and as much as \$4,000 beyond the first two years based on need. The federal government pays the interest on the loan while students are in school. Repayment and 8 percent interest begin six months after students graduate, leave school, or drop below half-time enrollment. The interest rate increases to 10 percent beginning with the fifth year of repayment. Loan applications may be obtained from the financial aid office.

Supplemental Loans for Students (SLS) allow independent undergraduate students to borrow up to \$4000 per year regardless of income (not need based). Repayment begins within 60 days after disbursement. When the borrower is enrolled at least half time at USCS, repayment of the principal may be deferred. During periods of deferment, interest that accrues may be paid quarterly or capitalized. The variable interest rate for 1990 was 11.49 percent. The rate will be determined by the Secretary of the Department

of Education each December 15, according to the formula prescribed by Congress, and will become effective on January 1 of the new calendar year.

Work Opportunities

Job opportunities are available to USCS students through a variety of programs: College Work-Study, Community Services Learning Program, Job Location and Development Program, and the Student Assistant Program. The primary purpose of these programs is to provide a financial resource to students for educational expenses; however, these jobs may also provide valuable work experience. USCS students work in a variety of jobs on and off campus. The pay scale is determined by the specific job description and the skills or experience of the student being hired. Students employed on campus are generally limited to working no more than twenty hours a week during periods of regular enrollment.

Scholarships

USCS strongly supports the recognition of academically talented students who possess the potential to return the benefits of a university education to our society. Scholarships are awarded to students based on demonstrated academic ability; career plans; and special talents in the areas of athletics, drama, music, voice, publications, debate, leadership in student government and campus activity boards, and creative writing. The value of the scholarships ranges from \$100 to \$3000 per year with the latter sum covering the cost of tuition, books, and other expenses. The awards are usually made for one year, but a few are renewable for up to four years if recipients meet specific eligibility requirements.

Some of our scholarships require that students have financial need; however, most do not. Most scholarships can be combined with other sources of assistance for which the student is eligible.

Current and prospective students may obtain applications from the financial aid office after January 1. Deadline dates are stated on the applications.

The **Administrative Employees Club Scholarship** is awarded to an undergraduate, degree-seeking student who is enrolled for a minimum of six hours each semester. The recipient must have financial need. Freshman recipients must have at least a 2.5 grade point ratio in high school. USCS recipients must have at least a 2.5 cumulative grade point ratio earned at USCS. Preference is given to USCS employees, their spouses, children, or step-children. The scholarship may be renewed provided the student maintains a cumulative 2.5 grade point ratio.

The **Adult Learner's Scholarship** is an award of \$250 to a student who is at least 25 years of age and is enrolled in at least six hours. Candidates must be pursuing a bachelor's degree for the first time or resuming baccalaureate studies after a minimum five-year absence. Eligible students must have financial need and must submit, in writing, their goals and reasons for seeking a degree.

Mary Black School of Nursing Scholarships are awards of \$500 made to full-time sophomores seeking the Associate Degree in Technical Nursing who have financial need, have a record of service to the university and community, have a 3.0 GPR in nursing

courses, and have a 2.5 GPR in all other courses. Another award of \$500 is made to a senior (as of fall semester) seeking the Bachelor of Science in Nursing who has financial need, has a record of service to the university and community, has a 3.0 GPR, and has a 3.0 GPR on all nursing courses.

The Budweiser of the Carolinas Minority Business-Marketing Scholarship is awarded to a South Carolina resident minority student admitted into the upper division of the business-marketing program. The scholarship is valued at \$1000 and is to be used toward tuition costs. It is renewable provided a cumulative 2.25 grade point ratio is maintained. An internship with Budweiser of Spartanburg is also possible.

The School of Business Scholarship is an award of \$450 to a senior business administration major having a 3.0 GPR and who is a candidate for graduation during the year of the award.

The Martie G. Chastain Memorial Scholarship is an award of \$250 to a full-time junior or senior business administration major with a 2.5 GPR and who is employed at least 15 hours per week.

The Computer Club Scholarship is an annual award of \$400 made to a senior computer science or data processing major with 12 hours completed at USCS, a 3.0 GPR, and active membership in the Computer Club.

Debate Scholarships are available in varying amounts to outstanding members of the USCS Debate Team.

Drama Scholarships are available in varying amounts to outstanding members of the Shoestring Players.

The Dritz Corporation Business Scholarship is a \$500 award to a senior business administration major with a 3.0 GPR and who has earned at least 30 hours at USCS.

The Dritz Corporation General Scholarship is a \$500 annual award to a nontraditional student. Preference is given to someone who is beginning or resuming college work after an extended absence from academic pursuits.

The School of Education Scholarship is an annual award of full tuition for one semester to a student who has completed 75 hours; who has been admitted to the Professional Program of the School of Education; and who has demonstrated financial need, academic excellence, and altruistic goals.

The Ted Eilenberg Scholarship is awarded to a student enrolled in a degree program in the School of Business Administration and Economics. The recipient must be a junior or senior, have financial need, and have a minimum GPR of 2.5.

The Faculty and Staff Dependents Scholarships are awards of varying amounts to full-time undergraduate dependents of full-time slotted USC system employees who have a predicted 3.0 GPR as freshmen, or a 3.5 GPR for first-time upperclassmen. The application deadline is February 1.

The Alice Ruth Folk Spartanburg County Medical Auxiliary Scholarship is an award of \$600 to an associate or baccalaureate nursing student who is enrolled full-time and is

a Spartanburg County resident. Candidates must have demonstrated academic ability and nursing potential. Preference is given to those with financial need.

Twenty Founders Scholarships valued at \$1,500 per year for four years are awarded annually to South Carolina high school seniors on the basis of academic ability, leadership qualities, and school and community involvement. Direct inquiries to the financial aid office. The application deadline is December 15.

The Gamma Beta Phi Scholarship is an award of \$500 to a full-time student 23 or older with a 3.5 GPR on at least 12 hours at USCS.

The Earl Gordon Scholarships are awards of varying amounts to sophomores and juniors who have a 2.0 GPR, service or involvement in school or community, and financial need.

The James B. Greer Scholarship is an award of \$500 per year to a senior 23 years of age or older whose past education was interrupted by full-time employment, military service, or family responsibilities for a minimum of two years. Criteria include a 2.0 GPR and contributions to USCS through service to student government, publications, or the student affairs office.

The Frances Johnston Hackett Scholarship is an award of varying amounts to a student majoring in criminal justice or interdisciplinary studies with a concentration in criminal justice. Recipients must have earned at least 90 semester hours and have a minimum grade point ratio of 3.0.

The Doris Haneline Nursing Scholarship is an award of \$200 to a nursing student who is married with children and who is pursuing a second career. Other criteria include financial need and academic ability (3.0 GPR for continuing student). Preference is given to a student intending to work two years in Spartanburg County.

The Inman-Riverdale Foundation Nursing Scholarships are full tuition awards given to two incoming freshmen associate degree nursing students for four semesters and one summer session. Priority preferences in selecting recipients are: a child of an Inman Mills employee, a resident of Inman or Enoree, or a resident of Spartanburg County; financial need; character, aptitude, leadership, scholastic qualities, and an agreement to work full-time as a registered nurse in Spartanburg County for two years following graduation.

The Henry D. Jacobs, Jr. Endowed Scholarship is a renewable scholarship of up to \$3,130 per year available to a freshman commuting student who is enrolled full-time. The recipient must have demonstrated excellent admissions credentials and financial need. Upon request the scholarship will automatically be renewed for the recipient who earns a 2.75 GPR at the end of the freshman year and a 3.0 GPR at the end of each succeeding year.

The J. Davis Kerr award of \$400 goes to a student who is either preparing for law school or is playing on the women's basketball team.

The USCS Mathematics Scholarship is awarded to an incoming freshman interested in pursuing a degree in mathematics. Recipients must have at least a 3.5 high school grade point average and SAT scores of at least 1100. The scholarship is awarded to full-time students and may be renewable for up to seven semesters provided the student continues

to major in mathematics, maintains an overall 3.0 grade point ratio and a 3.0 in mathematics courses.

A number of **Minority Incentive Grants** of up to \$1000 are awarded to black students who transfer to or are readmitted to USCS. Candidates must have earned at least 60 hours of degree credit or an associate degree from an accredited college or technical institution, have a GPR of 2.0, be a United States citizen and a South Carolina resident, and be accepted to USCS as a full-time degree-seeking student. Entering freshmen who have at least a 3.0 GPR and meet other stated criteria may also apply. These grants are funded by USCS and the South Carolina Commission on Higher Education.

The **Music Scholarships** are available to outstanding members of the Gordon-Colloms Gospel Choir, Pep or Jazz Bands, and University Singers.

The **North Spartanburg Rotary Club Scholarship** is awarded to graduates from a Spartanburg County high school who are enrolled full-time and have a minimum grade point ratio of at least 3.0. Recipients must have completed between 24 and 36 semester hours and may not hold another scholarship. The value of the scholarship is \$500 a year.

Nursing Scholars are entering associate or baccalaureate students who are awarded full tuition and fees. Recipients must have a record of academic achievement and must agree to work in sponsoring hospitals, upon graduation, one year for each year of the award. Nursing Scholar awards are funded by the following: Spartanburg Regional Medical Center, AMI Doctors Memorial Hospital, Dialysis Clinics, Upstate Carolina Medical Center, Wallace Thompson Hospital, Laurens County Health Care System, Anderson Memorial Hospital, St. Luke's Hospital, St. Luke's Hospital Auxiliary, and others. The application deadline is May 1.

The **Rick O'Brien Memorial** is a scholarship of \$400 awarded to a full-time junior or senior business administration major with a concentration in accounting. The recipient must have a 3.0 grade point ratio and be employed a minimum of 10 hours per week. Preference is given to a student involved in community volunteer work.

The **Olney Scholarships** are funded by the Spartanburg County Foundation. There are five awards of \$1000 each to Spartanburg County residents having completed one year of full-time study at USCS with a 3.0 GPR. Recipients must demonstrate financial need, campus citizenship, and character. One non-recurring award of \$1000 is made to a resident of Spartanburg County who enrolled as a part-time student, but who is not presently attending college. Recipients must be 23 years of age, or have been out of school for three years, must enroll in six to eight hours, and must show financial need, campus citizenship, and character.

The **Part-time Student Scholarships** consist of several awards of \$50 per semester made to students taking a maximum of seven hours each semester. The successful applicants will be those with the highest academic performance and who are receiving no other financial aid.

Piedmont Scholarships. Ten awards valued at \$3,000 per year for four years are awarded annually to South Carolina high school seniors on the basis of academic ability, leadership qualities, and school and community involvement. Inquiries should be directed to the financial aid office. The application deadline is December 15.

The **Matthew Poliakoff Scholarship** is an award of \$150 to a junior with financial need, who has a 3.0 GPR, and is majoring in political science or business administration, or is following a pre-law program. Preference given to students who demonstrate an interest in and who plan to participate in governmental processes.

The **Seymour Rosenberg Scholarship in Journalism** is a renewable scholarship of up to \$1000 a year awarded to students on the basis of academic ability, leadership qualities, and school and community involvement. Preference will be given to students who have demonstrated an active interest in print and/or broadcast media. To qualify for renewal the recipient must maintain a 3.0 grade point ratio and demonstrate active involvement with campus publications or journalism-related activities. To qualify for third- or fourth-year renewal, a student must maintain a 3.0 grade point ratio demonstrate active involvement in journalism-related activities, and pursue upper division studies in journalism.

ROTC Scholarships are awards that pay for tuition, textbooks, and other miscellaneous academic expenses together with a \$1,000 subsistence allowance.

The **Rotary Club of Spartanburg Scholarship** is a \$1,000 annual award to a full-time Spartanburg County resident who is from a non-Rotarian family, has financial need, and has proven scholastic aptitude.

The **Sonja K. Ruppe Memorial Scholarship** is awarded to students from Gaffney High School majoring in education. This scholarship will be initially awarded in 1992-93.

The **Olin B. Sansbury, Sr. Scholarship** is an award of one-half of tuition and fees made to a student with academic ability, financial need, and potential as a contributing citizen of school and community. Preference is given to those planning a career in public affairs.

The **Santee Cooper Environmental Scholarship** is awarded to students who have demonstrated, through their actions and course of study, a commitment to preserving and enhancing the environment. Recipients must be rising seniors majoring in natural science or an interdisciplinary studies program reflecting an environmental orientation. Additional requirements are that recipients must be full-time students who are residents of South Carolina and have at least a 3.0 grade point ratio. The scholarship is valued at \$1,000 per year and must be used for tuition costs.

The **D.L. Scurry Foundation Scholarships** are awards of approximately \$300 to South Carolina residents who demonstrate academic ability, have a minimum GPR of 2.0, and have financial need.

The **Eugene Blakely Sloan and Janie Lindsay Sloan Scholarship** is a \$250 annual award to a junior with a 3.0 GPR and who has completed at least two semesters each in English, history, mathematics, foreign language, and lab science.

The **Cecil O. and Mary F. Smith Endowed Nursing Scholarship** is awarded to a deserving nursing student. The value of the scholarship is \$600 a year.

The **Social and Behavioral Science Scholarship** is awarded to a student majoring in social or behavioral science or a related field who has at least junior class standing and a grade point ratio of at least 3.0. The scholarship may be renewable.

The **Sulzer Ruti, Inc. Scholarship** is a \$250 annual award to a student with financial need and academic ability who has completed international studies or foreign language course work.

The **Teresa D. Tiller Splawn Memorial Scholarship** is an award of \$100 to a nursing student who has previously worked in a nonprofessional health service position.

The **Edith Thrower Nursing Scholarship** is a \$250 award made to an associate or baccalaureate nursing student who is enrolled either full- or part-time. Recipients must have proven academic ability and financial need. Preference is given to a nontraditional student (25 or older) who has family responsibilities.

The **University Business Society Scholarship** is \$500 awarded to a full-time senior majoring or taking significant work in business who has a GPR of 3.0, and who has demonstrated outstanding service to campus and community, academic aptitude, character, and leadership.

The **University of South Carolina Alumni Scholarships** are awards of varying amounts made to freshmen from the several judicial circuits in South Carolina and from metropolitan areas outside the state. These awards are based on academic ability and are renewable. The deadline is February 1 for admission application (no other application is necessary).

The **USCS Faculty/Staff Dependents' Scholarship** is open to any dependent child or spouse of a full-time University of South Carolina system employee. To be eligible for consideration, the applicant must be enrolled or accepted for enrollment as a full-time undergraduate or graduate student on one of the University's nine campuses and have attained a minimum 3.0 GPR. Freshman eligibility is determined by high school class rank and SAT scores. The scholarship is renewable for up to four years for those students pursuing a baccalaureate degree provided the recipient maintains a minimum 3.0 GPR. In some cases, graduate students may receive the scholarship until receipt of their graduate degree.

The **USCS Staff Scholarships** are awarded to full-time, classified USCS staff equal to the cost of tuition, fees, and books for no more than two courses. Recipients must have a minimum of two years' service, academic ability, and meet all admission requirements in advance of the award. Preference is given to employees who are in degree programs and who receive the recommendation of their supervisor. Recipients are expected to earn a grade of C or better.

A number of **Upstate Scholarships** valued at \$1,500 are awarded to transfer students who have earned at least 60 semester hours of degree credit, or an associate degree, from an accredited college. Candidates must have a grade point ratio of 3.0 using the USCS formula and provide two letters of recommendation, including letters from academic representatives of the post-secondary institutions previously attended.

The **Veterans of Foreign Wars Scholarship** is a \$630 annual award given to a child of a deceased veteran or a V.F.W. member who is or was a Spartanburg County resident.

The **Wilde Scholarship** of \$250 is awarded to a student who intends to study, or is studying, mathematics or mathematics education. Candidates must have a high school grade point ratio of 2.5, have financial need, and work either full- or part-time.

Preference is given to a graduate of Gaffney High School and a participant in high school athletics.

Note: Scholarship information is accurate at the time of publication. Availability of funds and other factors sometimes change. For further information about scholarships and other financial aid, call or write the financial aid office.

Other Aid

Veterans' and Dependents' Benefits. Educational benefits are available to qualified veterans and children of deceased and disabled veterans. Inquiries should be made at the financial aid and veterans' affairs office.

Vocational Rehabilitation. This service is to conserve the working usefulness of persons with impairments who have reasonable expectations of becoming employed. Students who might qualify for vocational rehabilitation assistance should communicate with the Office of Vocational Rehabilitation in their home county seat.

Fees and Expenses



The university reserves the right to alter any charges without notice. All charges are due and payable on the date that they are incurred, or the date indicated on the ticket, invoice, or statement. Checks for the exact amount of the total charges should be made payable to the University of South Carolina at Spartanburg.

Students failing to pay all required registration fees on or before the last date to change course schedule (as indicated in the university calendar) may be dropped from class rolls.

Students failing to relieve any other indebtedness to the university or to any of its auxiliary agencies on the date such obligations become due and payable may not be permitted to attend classes, stand final examinations, or be issued a transcript, diploma, degree, or any other official statement.

Academic Fees

Academic fees at the University of South Carolina at Spartanburg are established by the University of South Carolina Board of Trustees and are subject to change. Fees in effect at the time of publication are for 1991-92. For current fee information, please consult the fiscal affairs office.

Application Fee

Every new student is normally charged a nonrefundable application fee of \$25. Exceptions to this charge may be made for certain special categories of admission. Applications for admission must be accompanied by the application fee.

Foreign Students

Foreign students must ordinarily pay non-resident fees for the duration of their enrollment, unless they qualify for permanent alien status. Their standing in this category and application for resident fees must be cleared with the residency officer in the admissions office.

Examination Fees

Special examinations to establish undergraduate college credit without class attendance, or to validate credits from a non-accredited college, cost \$15 per semester hour.

Tuition

All fees are payable in full at the beginning of each term.

Full-time students (12 semester hours and above)

South Carolina residents	\$1,010 per semester
Non-residents	\$2,525 per semester

Part-time and summer school students

South Carolina residents	\$86 per semester hour
Non-residents	\$215 per semester hour

Course auditing

Course auditing fees are the same as courses taken for credit.

Senior citizens

Legal residents of South Carolina who have attained the age of 60 and meet admission and other standards deemed appropriate by the university may attend classes for credit or audit purposes on a space available basis.

Insurance

Student health and accident insurance is available optionally to all full-time students paying full fees. It may regularly be purchased only at the beginning of the fall semester, except in the case of new and transfer students. Contact the student affairs office for details on coverage and fees.

Other Fees

Graduation fee (each application for degree includes cap, gown, and diploma)	\$25
Replacement of diploma as originally issued	\$25
Transcript fee (each copy)	\$ 5

Duplicate registration certificate fees

Replacement identification card	\$ 5
Replacement treasurer's fee receipt	\$ 5

Reinstatement	\$40
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Parking. Students planning to park a motor vehicle on campus must purchase and display a USCS parking sticker for each vehicle, and comply with regulations as set forth.

Fall registration (valid for one year)	\$25
Single semester	\$15
Spring registration (also valid for summer)	\$15
Summer registration only	\$10
Replacement decal	\$ 5

Estimated Expenses for One Academic Year

Note: the following estimate represents a reasonable minimum for full-time enrollment; it does not include meals, travel, room and board and other incidental expenses.

South Carolina residents:

Academic fees--full-time (\$1,010 per semester) . . .	\$2,020
Books (estimate: \$175 per semester)	\$ 350
Total	\$2,370

Non-residents:

Academic fees--full-time (\$2,525 per semester) . . .	\$5,050
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Books (estimate: \$175 per semester)	\$ 350
Total	\$5,400

Fines

Bad checks or credit cards returned for any reason, \$15 plus late fee if used for payment of enrollment fees.

Damage: students are charged for damage to university property or equipment.

Parking

Parking improperly	\$ 3
Parking decal or permit not displayed	\$ 1
Parking in no parking area	\$ 5
Parking in loading or service zone	\$ 5
Blocking (for example, sidewalk or driveway)	\$15
No parking permit for zone	\$ 5
Parking at fire plug, in lane	\$ 5
Parking on grass	\$ 5
Parking along yellow curbs	\$ 5
Parking in reserved spaces	\$ 5
Parking meter violation	\$ 1
Failure to register vehicle	\$10
Parking in handicap space or blocking space or curb cut	\$25

Refunds

Refunds are issued in the following circumstances: (1) to students who withdraw completely from the university, (2) to part-time students who drop a course or courses, and (3) to students who are reclassified as part-time students as a consequence of dropping a course or courses.

Specific refund dates are published in the *Schedule of Course Offerings* for each semester. University academic fees are refunded according to the following schedules.

Fall and Spring Semester Academic Refund Schedule

Complete withdrawal or course drop before end of late registration	100% refund
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Complete withdrawal or course drop from end of late registration until two weeks after the beginning of the semester 70% refund

Complete withdrawal between two and three weeks after the beginning of the semester 40% refund

Complete withdrawal more than three weeks after the beginning of the semester no refund

Course drop more than two weeks after the beginning of the semester no refund

Summer Term Academic Refund Schedule.

The refund schedule may vary depending upon the length of the summer academic term(s).

Complete withdrawal or course drop before the end of late registration 100% refund

Complete withdrawal or course drop from the end of late registration until one week after the beginning of the term 40% refund

Complete withdrawal or course drop between one and two weeks after the beginning of the term 20% refund

Complete withdrawal or course drop more than two weeks from the start of the term no refund

Residency Requirements

The University of South Carolina at Spartanburg assesses tuition and fees upon the basis of state residency. South Carolina law defines residents as "persons who have been domiciled in South Carolina for a period of no less than twelve months with an intention of making a permanent home therein." The initial resident status determination is made at the time of admission and prevails until such time that a student establishes a proper claim to residency as defined by the laws of South Carolina. Any student who is discovered to have been improperly classified as a South Carolina resident will be reclassified as a non-resident and will be required to pay differences in fees.

Persons having questions about residency are encouraged to secure a Residency Application Package from the Office of Admissions. Appointments with the director of admissions to discuss residency requirements are also encouraged.

Student Services



The student services program contributes to the total development of students as individuals through services and activities designed to supplement students' academic programs as well as to assist them in physical, social, cultural, and personal development.

Child Care

Children from three to six years of age can be enrolled at the Burroughs Child Development Center. The center is open from 7:30 a.m. to 5:30 p.m. weekdays. Students with demonstrated financial need can enroll their children free of charge while others pay a weekly fee for each child.

Counseling and Career Development

Counseling services are provided without charge to USCS students on matters of personal, educational, and career concerns. The counseling staff includes several counselors with advanced degrees and training. Services offered include short-term individual and group counseling, outreach programming, and assistance in career exploration and planning. The Counseling and Career Development Center also provides prevention and educational programming on a variety of issues. Consultation to community and campus agencies is also available.

Disabled Student Services

Under the auspices of the coordinator of minority student affairs, the university is dedicated to the principle of full and equal opportunity to university resources for all students. In keeping with this principle, USCS provides for handicapped persons equal accessibility to all programs. Students who need additional information should contact the coordinator of minority student affairs.

Foreign Students

Foreign students should contact the director of international education shortly after their arrival on campus for orientation and information especially relevant to foreign students.

Health Services

A registered nurse is available on the campus twenty hours per week to provide health services to USCS students. These services include first-aid, health information, over-the-counter medications for minor illnesses (e.g., sore throat, headache, and colds) or referrals, as needed, to local physicians or other health care agencies. Services to students by the campus nurse are free of charge. Students are seen by local physicians on a fee-for-services basis. Contact the campus nurse on the second floor of the Hodge Center or the student affairs office for further details.

Health Wellness Office

The health wellness office provides activities, programs, and services which encourage a healthy lifestyle. Included in these services are education, counseling and referral for students, staff, and faculty having concerns about alcohol or other substance abuse problems.

Job Placement

The placement office provides assistance to students seeking part-time employment, on or off campus, and employment for seniors seeking full-time employment. Interviews are arranged, on campus, with employers from various fields, and assistance is provided in resumé preparation and interviewing skills. Credentials files containing letters of recommendation are maintained for students. A library of information pertinent to the world of work is also maintained.

Minority Student Affairs

The overall purpose or goal of the Office of Minority Student Affairs is to provide programs and services designed to enhance the development, retention, and graduation of minority students. Services include a peer tutorial program, a mentor program, academic workshops, and monthly African American issues symposiums.

Publications

The *Carolinian*, the weekly campus newspaper, is published entirely by students. It contains information pertaining to student life from club news and athletic results to features and weekly columns.

The *Carolana*, the USCS yearbook, is published each year as a review of campus life. The students of USCS also publish a literary magazine containing poetry, short stories, and artwork.

Student Government Association

The S.G.A. is composed of elected student officials who work to conduct student functions and to maintain lines of communication among the faculty, administration, and student body. Students are appointed to various university committees upon the recommendations of the S.G.A. Student organizations are chartered upon its recommendation, and budgets of all organizations are reviewed by the S.G.A.

Student Housing

Housing is available on campus in the Rifle Ridge Apartments, a privately owned and managed residential facility for USCS students. Each two bedroom unit is furnished, air conditioned, and has a complete kitchen with stove, refrigerator, dishwasher and disposal. A recreation area with a pool, clubhouse, laundry, and basketball and volleyball courts is available.

Student Organizations

There are a variety of student organizations available for student participation. For more information, consult the *Student Handbook*.

Leadership Development Program

The USCS Leadership Development Program was initiated in 1988 to help students achieve their potential as leaders on campus and in the community. Interested sophomores and juniors may apply through the student affairs office.

Veterans' Affairs

Students eligible to receive veterans' educational benefits should contact the veterans' coordinator. Students receiving veterans' benefits are required to report any changes in curriculum, including courses dropped or added, absences, and withdrawal. Failure to report such changes results in termination of benefits.

Academic Services



Students frequently require assistance in advisement, tutoring, and other areas that support academic endeavors. You are encouraged to take full advantage of these services.

Academic Advisors

Freshmen or transfer students with fewer 30 semester hours are assigned an academic advisor from the Freshman Center. When students have earned approximately 30 semester hours, they are transferred to the school in which they plan a major or to the School of Humanities and Sciences for assignment to an advisor. These advisors assist in the planning of academic programs. However, it is the responsibility of each student to follow degree requirements published in the USCS catalog.

Continuing Education

The Division of Continuing Education is responsible for developing, promoting, and presenting noncredit short courses and seminars. The mission of continuing education at USCS is to make the resources of the university available to the community. It has course offerings for the general public as well as for business, government, and industry. Courses can be tailored to meet the special needs of individual employers and are offered on campus or at other sites.

Evening Education

Students may earn any of eight bachelor's degrees by attending USCS in the evening either full or part-time. These majors are business administration, computer science, criminal justice, history, interdisciplinary studies, nursing, political science, and psychology. The evening school office is open to assist students and to take suggestions and complaints. The admissions, counseling, placement, and financial aid offices, and the bookstore are open at various times in the evening. Child care is also available through the Burroughs Child Development Center.

Freshman Center

The Freshman Center provides placement testing and academic advisement and counseling to all new students and transfer students with 30 or fewer semester hours. Placement testing is administered in reading, English, mathematics, and foreign language. Academic advisement and counseling is conducted by selected advisors from all schools and divisions within the university. The center attempts to assign an advisor from the subject area in which a student intends to major; however, advisors are knowledgeable about all programs of the university.

After the semester when students earn over 30 hours either at USCS or through accepted transfer credits, they will begin the transfer process to the school or division of their chosen major. However, students must meet the criteria for acceptance into the school or division.

The Freshman Advisory Council (FAC) is a group of sophomores, juniors, and seniors who serve as friends, guides, paraprofessional advisors, and orientation leaders for all entering freshmen. The FAC assists with orientation, registration, and small group meetings throughout the freshman year.

International Education

The director of international education has information on study and travel abroad programs run by USCS and a broad range of other programs open to USCS students.

Reading and Math Clinic

Reading and mathematics instruction is available to public school students and adult clients. A testing session is conducted prior to the scheduling of one-to-one reading instruction. A fee is charged for services through the Office of Continuing Education.

Tutoring Laboratory

Free tutorial help is provided to students in all subject areas. Junior and senior level students provide this instruction by appointment or on a drop-in basis. The Tutoring Laboratory is located in the Library Building, second floor.

Music Studio

Instruction in voice, piano, guitar, and other instruments is available to public school students, college students, and adults through individual instruction. A fee is charged for services through the Office of Continuing Education.



Academic Regulations

As the chief governing body of the university system, the board of trustees delegates powers to the chancellor, the president, and the faculty in accord with its policies. Subject to the review of the chancellor, the president, and the board of trustees, the faculty retains legislative powers in all matters pertaining to the standards of admission, registration, instruction, research, and extracurricular activities; the requirements for the granting of degrees earned in course; the curricula; the discipline of students; the educational policies and standards of the university; and all other matters affecting the conduct of academic affairs.

The university reserves the right to make changes in curricula, degree requirements, course offerings, and all academic regulations, at any time when, in the judgment of the faculty, the chancellor, the president, or the board of trustees, such changes are for the best interest of the students.

The university assumes that students, through the act of registration, accept all published academic regulations appearing in this catalog or in any other official announcement.

Unforeseen circumstances may interfere with the scheduling of any particular course or degree offering. Students are expected to take such developments into account as they arise, even if doing so means a delay in some of their academic goals or a modification of those goals. The school concerned works closely with students facing such problems in an effort to resolve them.

Students may expect to obtain a degree in accordance with the requirements set forth in the regulations in force when they enter the university, or under subsequent regulations published while they are students. However, students are restricted in choice to the requirements of one specific catalog. Undergraduate students who enter the university under the regulation of a catalog have a period of eight years, inclusive and continuous, in which to claim the rights of that catalog.

Full-time undergraduate students who are absent from the university for five years or less and who return to complete their program of study have the right to continue under the catalog in effect at the time of original matriculation. Alternatively, students may elect to finish their program under the catalog in effect at the time of their return. If the period of absence is longer than five years, students are subject to the rules and regulations in force at the time of their return. Under no circumstances are students allowed to appeal to short-lived rules and regulations that were adopted and abandoned while they were not enrolled.

If there have been drastic revisions of curricula or programs during the absence (even if for less than five years), there may be no choice but to adopt the new program or a transitional program approved by the dean. USCS is not responsible for providing programs or courses that were deleted during the period of absence.

Exceptions to the policies stated in this catalog made orally to any student by an official of the university are null and void unless documented with a signed statement from the university official.

Right of Petition

Students who consider that they are entitled to relief or deviation from the academic regulations of the university may submit their case to the vice chancellor for academic affairs for consideration by the Executive Academic Affairs Committee.

Course of Study

Students are expected to follow the program outlined by their school as closely as possible, particularly in the first two years when they are satisfying basic degree requirements and prerequisites for advanced work.

Students must pursue in the prescribed sequence. Failure to do so may lead to future schedule difficulties, and students may find that the subject for which they wish to enroll is either not available or is closed to students with advanced standing. Students who fail to successfully complete all of freshman requirements may not enroll in courses in their major field beyond the sophomore level. In the event that students are ineligible to continue courses in their major field, they may take electives until the deficiency is removed.

Course Substitutions

Only under unavoidable and exceptional circumstances does the faculty permit a substitution or an exemption from the prescribed curricula. When it becomes necessary to request a deviation from the prescribed course of study, students should consult with the dean of the school in which they are majoring before preparing a petition listing the substitutions or exemptions sought and the reasons for such a request. Petitions are submitted on forms obtainable from the records office and must be returned to the dean of the school in which the student is enrolled.

Any deviation from degree requirements as published in the catalog must have the approval of the vice chancellor for academic affairs. The Executive Academic Affairs Committee functions only in the role of an appeal board in cases where a decision satisfactory to the vice chancellor and the student cannot be reached. All substitutions must be approved prior to the last date for enrollment of the semester in which the substitute course is to be taken.

Students transferring from another college or university desiring to substitute courses taken elsewhere for courses prescribed at USCS must submit a petition to the dean of the school in which they expect to enroll prior to their first semester at the university.

Change of Major

Students desiring to change their program of study by transferring from one school of the university to another are required to (1) obtain a change of major form (AS-19) from the records office, (2) have this form signed by the dean of the school in which they are

currently enrolled, and (3) present the form for the approval of the dean of the school in which they plan to enroll along with a copy of the academic record obtained from the office of the former dean. A change of major should be completed in advance of registration.

Change of Name or Address

Students are obligated to notify the records office of any change in name or address. Failure to do so can cause serious delay in the handling of student records and in notification of emergencies at home. Change of name may only be accomplished by presenting proper legal documentation, such as a marriage license, birth certificate, or divorce decree in which the court permits the change of name.

Indebtedness

Students are expected to discharge any indebtedness to the university as quickly as possible. No degree is conferred on, nor any diploma, certificate, or record transcript issued to, students who have not made satisfactory settlement with the treasurer for all indebtedness to the university. Students may be prohibited from attending class, taking final examinations, or registering for future terms after the due date of any unpaid obligation. Students who have a repayment obligation for Title IV funds (Pell Grant, Perkins Loan, SEOG, or Stafford Loan) are not permitted to enroll.

Registration

Official enrollment in the university requires that students be academically eligible and have registration material approved by both the dean of the school in which they are matriculating and the records office. In addition, students must have a receipt issued by the treasurer for payment of current academic fees. Enrollment by proxy is not allowed unless permission has been obtained in advance from the records office.

Students are expected to complete registration (including the payment of all required fees and having an ID card made or validated) on the dates prescribed in the university calendar.

Advisement

The responsibility for completion of requirements for the degree lies with the student. Students and their major advisor are responsible for evaluating progress toward the degree and for interpreting and applying major requirements. Normally, students are able to progress by accepting the advice of their advisor, a faculty member in the field in which students intend to major. When special problems arise, students may consult their dean or the vice chancellor for academic affairs.

Advisement Testing

New freshmen must take a battery of advisement tests in English, reading, mathematics, and foreign language. Transfer students with fewer than 30 semester or 45 quarter hours earned may also be required to take advisement tests. Anyone who does not receive transfer credit for English 101 or foreign language must take advisement tests in these areas. Those who have not completed the math requirement for their USCS major must take a placement test in math. Transfer students with fewer than 30 earned hours who do not receive transfer credit for a reading course and do not transfer credit for a content course such as history or psychology with a grade of C or better must take the reading placement test.

Academic Skills Program. Freshmen and transfer students with fewer 30 semester hours or 45 quarter hours attempted who place in at least two academic skills courses (English 100, Mathematics 100 or 119, General Studies 121 or 122) through advisement testing receive special advisement, counseling, and instruction. In addition, those who place into the Academic Skills Program are required to satisfactorily complete these courses, Freshman Orientation (SUNV 103), and earn a minimum grade point ratio of 1.5 during the first thirty semester hours attempted. Failure to meet any of these conditions will result in dismissal from the university.

Course Load

To graduate within a normal period of time, students should take approximately 15-18 credit hours per semester in academic studies. Students should talk to their advisor to determine the correct number of hours per semester for their major. All students enrolling for more than 17 hours must receive permission from the vice chancellor for academic affairs. No students are given permission for an overload unless they have an overall GPR of 3.0 or have made a 3.0 the previous semester. The maximum load any student may carry is 21 hours. Forms for overloads are available in the records office.

Independent Study

Students may register for an independent study course by completing the forms available from the dean's office or records office. These courses involve the voluntary participation of an instructor, and the student is expected to have the instructor complete the course summary section of the form. Register for independent studies courses in the records office.

Internship

Internship contracts are available in the records office or the dean's office. Students must complete these forms, obtain all signatures, and register for the course in the records office.

Auditing

Students must be admitted to the university to be eligible for auditing any course.

Auditing a course means attending classes and listening without actively participating in the class. An auditor is not responsible for any assignments or examinations.

No course of a skill-acquiring nature (such as swimming, computer programming, etc.) may be taken on an audit basis. No credit may be earned in an audited course by examination or otherwise. No audited course may be repeated for credit at a later date.

The request for the privilege of auditing a course is made to the instructional division or school concerned. The request is made for a specific semester. The normal registration process must be completed before class attendance is permitted.

Students taking a class for credit are given preference over auditors where class size limits are in effect.

Students who have registered for a course on an audit basis and who wish to change their registration to take the course for credit (or who wish to change from credit to audit), must do so no later than the last day for adding courses as indicated in the university calendar. The change must be requested on a change of schedule form, signed by the course instructor and the dean of the school, and then submitted to the records office.

Pass-Fail Option

The pass-fail grade option is designed to encourage students to investigate fields of study other than those required by their degree program. The pass-fail option is available to all undergraduate students whose semester or cumulative GPR is at least 2.0. Students are permitted to exercise the pass-fail option only on elective courses. No more than eight courses may be taken on a pass-fail basis. Pass-fail credits granted for successful performance on AP, CLEP, or ACT PEP examinations are not subject to the eight course limitation, nor do they count against the maximum number of courses which a student may take on this basis. The option is offered on all courses at the undergraduate level, and normal prerequisites may be waived for students taking a course on a pass-fail basis.

Students wishing to exercise the option must have the permission of the dean of the major school and the consent of their advisor. The option must be elected or revoked no later than the last day for withdrawing from the course without penalty.

Credit is given for courses taken on a pass-fail basis, but these courses do not affect the computation of the GPR nor evaluation for purposes of probation or suspension. The only grades assigned on courses taken pass-fail are S for satisfactory performance or U for unsatisfactory performance.

Repetition of Courses

Students may repeat a course they have passed in order to raise their grade only in the event that the school in which they are seeking a degree requires a higher grade in the course. Students who repeat a course have both course registrations on their permanent record. Both grades are used in the calculation of the GPR.

Undergraduate Enrollment in Graduate Courses (Senior Privilege)

Qualified undergraduate students may enroll for undergraduate or graduate credit in courses numbered 500 through 699. Except in special cases, undergraduates may not enroll for credit courses numbered 700 through 899.

Work taken by undergraduates may be applied toward a graduate degree if the students are adequately prepared for graduate work in the field concerned and have the approval of the dean of the school and the dean of the graduate school. The privilege may be exercised only during the senior year.

Summer Session

The summer session normally consists of two terms. Students regularly enrolled in the university may take work applicable to the degree they are seeking during the summer session. A listing of courses offered in the summer session is available after April 1 in the registration centers.

The maximum course load permitted in the summer session is 6 semester hours per term. A single extra hour may be carried if one of the courses involved is a 4-hour course.

The university reserves the right to cancel any course in the case of inadequate enrollment. Registration in any course may be closed when the maximum enrollment for efficient work is reached.

Changes in Registration

A change in registration involves adding a course, dropping a course, withdrawing from a course, changing from one course section to another, changing the number of credits in a variable credit course, changing course registration from audit to credit option. Any change in registration must be filed with the records office on the proper form with all required signatures.

Any change involving adding a course, dropping a course, changing a section, changing the number of credits in a variable credit course, or changing from audit to credit or from credit to audit must be completed by the end of late registration as published in the university calendar. Students may elect or revoke the pass-fail option no later than the last day to withdraw without penalty. Students are urged to consult with the dean of the school in which they are enrolled concerning any change of registration.

With the permission of both instructors, students may make the following schedule changes through the last day to withdraw without penalty (assuming the availability of the course to which the student desires to move):

Biology 101 <-> 110

Chemistry 105 or 111 <-> 101

English 100 <-> 101, 102 <-> 146

French, German, and Spanish 101 <-> 102 or 121, 102 or 121 <-> 201,
201 <-> 202 or 210, 202 or 210 <-> 310

Mathematics 100 <-> 119, 100 <-> 121, 119 <-> 121, 121 <-> 141,
121 <-> 301, 125 <-> 141, 141 <-> 119

Adding a Course, Dropping a Course, and Section Changes

Students may add a course, drop a course, or make a section change through the last day of late registration by completing a Registration/Drop and Add form available from the appropriate registration center as listed in the *Schedule of Course Offerings*. Courses dropped during the late registration period are not recorded on the permanent record and are not entered into the computation of hours attempted, grade point ratio, or any other totals. Students should discuss these matters with their advisor and obtain the appropriate signatures.

Course Withdrawal

Through Last Day to Withdraw Without Penalty. Course withdrawal is allowed after late registration and up through the last day to withdraw without penalty (eight weeks into the semester) by (1) completion of the Course Withdrawal Form available from the records office; (2) discussing the matter with the academic advisor, instructor, and dean, and having them sign the form; and (3) returning the form to the records office. Course withdrawals during this period are recorded as a W (withdrawn) on students' transcripts but are not entered into the computation of hours attempted, grade point ratio, or any other totals. In summer sessions and other shortened terms, the time allowed to withdraw from a course without academic penalty is equal to approximately 57 percent of the total number of class days from the beginning of the term. Students should check the university's academic calendar for the prescribed date in each semester or term.

Following Last Day to Withdraw Without Penalty. A grade of WF (withdrawn failing) normally is recorded for any course from which a student withdraws after the last day to withdraw without penalty. A WF is treated the same as an F in the calculation of a students' grade point ratio and in the evaluation of probation and suspension conditions. In certain exceptional cases, a grade of WF may be changed to a W, assuming the student withdraws under extenuating circumstances or for medical reasons and that the student is passing the course at the time of withdrawal. Requests to have the grade of WF changed to W are initiated by the student in the Office of the Dean of Students where the necessary procedures are explained and the student is supplied the form entitled Request for Assignment of W Grade for Medical Reason or Extenuating Circumstances After Penalty Date. This form and supporting documentation concerning the extenuating circumstances is presented to and discussed with the student's major dean. Upon concurrence of the dean, the student submits the form and documentation to the appropriate instructor(s) for a grade assignment. (The dean of the School of Humanities and Sciences serves as major dean for those students who have not declared a major.) Students return the form completed and signed to the records office.

Withdrawal from the University

Students wishing to withdraw officially from the university should obtain the form entitled Request for Semester Withdrawal or Cancellation from the records office. Students are responsible for completing an exit interview at the Office of the Dean of Students, obtaining the required signatures, and returning the form to the records office for final action. Students who stop attending the university without following the withdrawal procedure may prejudice any future attempt to re-enter the university. (See School of Nursing regulations for the specific withdrawal policy for that school.)

Students withdrawing from the university prior to the last day to withdraw without penalty have the withdrawal date and the courses posted on their transcript with a grade of W.

Students withdrawing after the last day to withdraw without penalty, but not later than the last day of class, receive a grade of WF for each course in which they were enrolled. Students may petition to receive a grade of W rather than WF by carrying out the procedures outlined under the section entitled Course Withdrawal.

Post-semester Withdrawal (Retroactive). Students who stop attending classes and fail to carry out the procedures for dropping or withdrawing from their courses will have final grades calculated on both completed and missed work. This typically results in a grade of F. If the absences are due to medical or other extenuating circumstances so serious that the student was neither able to attend classes nor initiate withdrawal procedures, the student may request to have each final grade changed to a W to indicate that there was satisfactory performance before being forced to stop attending classes. Normally, an appeal to change a final grade is considered only if initiated within one year after the final grade is assigned. Withdrawal must be from all courses.

Requests for post-semester withdrawal are initiated in the Office of the Dean of Students where the necessary procedures are explained and the student is supplied with the form entitled Request for Withdrawal After the Penalty Date for Medical Reason or Extenuating Circumstances. This form and supporting documentation concerning the extenuating circumstances are presented to the dean of students who will make a determination as to the nature of the circumstances and the dates during which the student was unable to participate in classes. The dean of students makes a recommendation as to whether or not the student should be permitted a post-semester withdrawal from the university based on the findings of an investigation of the facts. The recommendation of the dean of students will be sent to the registrar who will then forward the recommendation to the faculty member(s) for assignment of a final grade of W or WF. The final grade will be based upon the student's academic standing at the time of the initiation of the extenuating circumstances. If the instructor is no longer at USCS, and a forwarding address is available, the student shall, within the time specified on the extenuating circumstances form, transmit copies of all necessary materials to the former faculty member by certified return receipt mail. If the instructor fails to assign a W or WF within three months of the date of the request, or if no forwarding address is available, the dean of the appropriate school shall appoint a faculty member to consider the request and assign a W or WF.

The decision of the dean of students concerning being allowed a post-semester withdrawal from the university or the assignment of a final grade by the faculty member(s) may be appealed as follows: (1) To appeal the decision of the dean of students, the student requests that the Executive Academic Affairs Committee review the facts of the case. The decision of this committee will be final. (2) To appeal the assignment of a final grade, the student will follow the procedure described in the catalog section entitled Academic Grievances.

Class Attendance

The resources of the university are provided for the intellectual growth and development of the students who attend. The *Schedule of Course Offerings* is provided to facilitate an orderly arrangement of the program of instruction. The fact that classes are scheduled is evidence that attendance is important and students should, therefore, maintain regular attendance if they are to attain maximum success in the pursuit of their studies.

All instructors will, at the beginning of each semester, make a clear written statement to all their classes regarding their policies concerning attendance. Instructors are also responsible for counseling with their students regarding the academic consequences of absences from their classes or laboratories. Students are obligated to adhere to the requirements of each course and of each instructor. All matters related to the student's absence, including the possible make-up of work missed, are to be arranged between the student and the instructor. Students should understand that they are responsible for all course content covered during their absences and for the academic consequences of their absences.

Examinations

Regular final examinations are held at the close of each semester. Examination schedules are published in the *Schedule of Course Offerings*. The results of these examinations, other assigned work, and grades for class performance determine the grade given at the end of the semester. Except for laboratories, no final examination may be held outside of the stated time without the special permission of the vice chancellor for academic affairs. Deviations from this policy should be reported to the vice chancellor for academic affairs.

In any course meeting two or three times a week, no quiz, test, or examination may be given during the last two class sessions prior to the regular examination period. In any course meeting once a week, no quiz, test, or examination may be given during the last class session prior to the regular examination period. In any course meeting more than three times a week, no quiz, test, or examination may be given during the last three class sessions prior to the regular examination period. Laboratory final exams, however, may be given during the last week of classes.

With the consent of the instructor, students may be transferred from one examination section to another of the same course.

Students who are absent from any examination are given the grade F for the course if they do not offer an excuse acceptable to the instructor. Students with excused absences from examinations have the privilege of deferred or special examinations. At the convenience of the instructor, the deferred examination may be taken during the next regular examination period with credit awarded in the semester the course was taken. The examination must be taken within one calendar year from the time of the absence. Deferred examinations are granted only in case of absence that is unavoidable as a result of sickness or other cause.

Reexamination or the assignment of additional work for the purpose of removing an F or for raising a grade is not permitted.

Academic Standing

All students enrolled at USCS are subject to the same continuation standards. Administration of these regulations is the responsibility of the vice chancellor for academic affairs, who is not empowered to waive any of these provisions. Students may be granted relief from these regulations by the Committee on Admissions and Petitions only in extraordinary circumstances.

The following standards regarding scholastic eligibility are applicable to all undergraduate students.

Continuation Standards

Student records are reviewed every semester. Students who have 30 to 59 grade hours and have a GPR of less than 1.5 are placed on academic probation. Those with 60 or more grade hours and whose GPR is less than 2.0 are also placed on academic probation.

Students who are on academic probation must obtain at least a 2.0 average on the first 12 or more grade hours attempted under this status. These hours may be taken over more than one semester. Students failing to meet this requirement are suspended for two semesters. The semester count does not include summer school.

A student placed on academic suspension may attend summer school at USCS during the term of that suspension. Should the student take 12 or more grade hours and earn at least a 2.0 GPR, the suspension will be removed and replaced by a new term of academic probation.

Students on suspension are not admitted or allowed to continue any program of the university for credit or for grade point ratio purposes. Credits earned at other institutions while students are on suspension from the university are not applied toward degrees from USCS or used for improving the grade point ratio. Credits earned through correspondence courses initiated during the period of suspension are not entered on

students' academic records until one calendar year from the date of their return to the university.

Students who are granted relief from the suspension provision by the Committee on Admissions and Petitions are placed on academic probation. The Committee may place stipulations on the probationary readmission. Students returning from suspension begin a new probationary period. Failure to achieve 2.0 GPR on the first 12 or more grade hours attempted since returning from suspension results in another suspension.

Students who place in the Academic Skills Program but fail to meet the conditions will be permanently dismissed from the university.

Permanent dismissal may be appealed to the faculty Admissions and Petitions Committee.

Academic Grievances

Academic grievances include, but are not limited to, the following areas: grading, acceptance into a program (for example, nursing or education), academic policies, and transfer credit. Students having a grievance should start the grievance process with the appropriate academic dean. Each school has developed its own policy for academic grievances. If the problem is not solved at the school level, students may appeal to the vice chancellor for academic affairs. Students normally have one year to file an academic grievance.

Transfer Credit

Students who have earned at least 30 semester hours credit at another college or university have their transcripts evaluated by the dean of the school in which they matriculate. Students with fewer 30 earned semester hours are evaluated by the Freshman Center.

Students transferring from a four-year institution not accredited by the appropriate regional accrediting association may validate hours earned at the non-accredited institution by successful completion of 15 hours at USCS with a minimum 2.0 GPR. Credits earned at two-year non-accredited institutions may be validated by examination.

Students who were enrolled at USCS and transferred to another institution and who now wish to transfer back to USCS may be able to transfer all course work if they were in residence at the other institution for a full academic year. Otherwise, credit for academic work equivalent to courses previously taken at USCS cannot be transferred to USCS. Similarly, students cannot receive transfer credit for an equivalent course taken previously at another institution.

Credit for summer school, correspondence, and extension work completed at other institutions by regular USCS students is not accepted for transfer if students have been previously enrolled in an equivalent course in the university. Credit for other courses is accepted only under the conditions that (1) each course is approved in advance by the

dean concerned or the vice chancellor for academic affairs and this approval is filed in writing with the records office and (2) each course is passed with a grade adequate for transfer purposes.

Students who are suspended from the university for any reason may not earn academic credit during the period of suspension by residence elsewhere. Students who are suspended may not have correspondence course credit entered upon their records until one calendar year from the date of their return to the university.

A maximum of 76 semester hours may be transferred for degree credit from a junior college or two-year institution that is accredited by a regional association such as the Southern Association of Colleges and Schools.

USCS uses all grades (with the exception of grades for courses taken on a pass-fail basis) listed on transcripts of other institutions in the calculation of the transfer GPR. Therefore, the GPR as calculated by USCS may be different than the one appearing on the transcript of another institution. Admission to the university or a particular program (business, education, nursing, humanities and sciences) is determined by the transfer GPR as calculated by USCS.

As a general rule, some courses are not acceptable for transfer credit to USCS or to any campus of the University of South Carolina system. These include occupational or technical courses, remedial courses, courses from a two-year institution that are considered upper-level at the university, or courses from a two-year institution that are not a part of that institution's college parallel program. Exceptions to this rule may be made only by the vice chancellor for academic affairs or the dean of the school in which the student is majoring. Exceptions are made only in specific cases where the courses being considered for transfer credit are judged to be uniquely relevant to the student's degree program. Examples of possible exceptions include typing courses for journalism majors or drafting courses for engineering majors.

A grade of D transferred from outside the University of South Carolina system cannot be used in degree programs.

In certain instances, credit for transfer courses may be obtained by a validation examination (see Institutional Credit by Examination). This examination is given upon approval of the dean of the school in which the subject is taught. Grades earned in courses completed in programs leading to an associate degree, which are validated by examination, are not counted in computing the GPR for baccalaureate programs.

Credit by Examination, Military Credit, and Credit for Non-collegiate Programs

Normally, a maximum of 30 semester hours earned in any combination of correspondence courses, College Entrance Examination Board Advanced Placement (AP) or College Level Examination Program (CLEP), American College Testing Proficiency Examination Program (ACT PEP), National League for Nursing Mobility Profile II

Examinations (NLN MPII), USCS institutional credit by examination, military and other service schools, educational programs of non-collegiate organizations, off-campus extension classes, or while classified as a special student are accepted as partial fulfillment of the requirements for the baccalaureate degree. Exceptions to this 30-hour rule may be made at the discretion of the dean of the appropriate school. Students planning to pursue work at other institutions or planning to take correspondence courses or off-campus extension classes must complete this work before attaining senior classification (90 semester hours) because the last 30 credits (representing the senior year's work) must be earned in residence at USCS.

Credit by Examination

Students with a strong background in a variety of basic courses may be able to exempt courses and receive credit hours for courses based on their scores on AP, CLEP, ACT PEP, or by successfully passing a course challenge examination prepared at USCS. A maximum of 30 hours of AP, CLEP, or challenge examination credit may be applied to a degree program at USCS. Students admitted to the registered nurse completion track may obtain credit for up to 30 semester hours of nursing courses by successfully completing the NLN MPII examinations.

AP, CLEP, ACT PEP, NLN MPII, and USCS institutional credit by examination do not enter into calculation of students' GPR.

USCS accepts many, but not all, AP, CLEP, and ACT PEP subjects offered by the College Entrance Examination Board and the American College Testing Program. Transfer students with AP, CLEP, or ACT PEP credits in subjects not listed below must submit those credits to the dean of the appropriate school for review.

Advanced Placement (AP)

All Advanced Placement courses and tests are administered by high schools and should be completed successfully before entering USCS. An entering student who has passed 30 hours of AP credit may be granted sophomore standing upon enrollment.

The Advanced Placement courses accepted by USCS are:

American Government-Political Science: Three credits for Government and International Studies 201 with a minimum score of 3.

American History: Three credits for History 110 with a score of 3. Six credits for History 201 and 202 with a score of 4 or 5.

Art History: Three credits for Art History 105 or 106 with a minimum score of 3.

Art Studio-Drawing: Three credits for Art Studio 111 with a minimum score of 3.

Art Studio-General: Three credits for Art Studio 103 or 104 with a minimum score of 3.

Biology: Eight credits for Biology 101 and 102, including laboratory credit, with a minimum score of 3.

Chemistry: Four credits for Chemistry 111 with a score of 3; eight credits for Chemistry 111 and 112 with a score of 4 or 5.

Comparative Government-Political Science: Three credits for Government and International Studies 320 with a minimum score of 3.

Computer Science A: Three credits for Computer Science 140 with a minimum score of 3.

Computer Science AB: Three credits for Computer Science 140 with a minimum score of 3.

English Language and Composition: Three credits for English 101 with a minimum score of 3.

English Literature and Composition: Three credits for English 102 with a minimum score of 3.

European History: Three credits selected from History 101, 102, or 111 with a score of 3. Six credits selected from History 101, 102, or 111 with a minimum score of 4 or 5.

French, German, and Spanish: Eight credits for 101 and 102 level courses with a score of 3. Eleven credits for 101, 102, and 201 level courses with a score of 4 or 5. Students desiring AP foreign language credit at USCS should take only the language portion of the AP examinations. No credit is given for the literature portion of the examinations.

Latin-Vergil and Latin-Catullus, Horace: Eight hours of university credit with a minimum score of 3.

Macroeconomics: Three credits for Economics 221 with a minimum score of 3.

Mathematics-Calculus AB: Four credits for Mathematics 141 with a score of 3.

Mathematics-Calculus BC: Eight credits for Mathematics 141 and 142 with a score of 3.

Microeconomics: Three credits for Economics 222 with a minimum score of 3.

Music Listening and Literature: Three credits for music history and literature 110 with a minimum score of 3.

Physics B: Four credits for Physics 201 with a score of 3; eight credits for Physics 201 and 202 with a score of 4 or 5.

College Level Examination Program (CLEP)

Credit for subjects in which students are knowledgeable, but have no class standing, can be gained through successful completion of the College Entrance Examination Board CLEP tests.

Credit earned in CLEP may be applied to any program where the course normally would be accepted as earned credit. CLEP credit is not granted for courses which have been failed previously, nor does CLEP credit raise a grade earned previously in any course. Repeat examinations are not allowed. USCS does not give credit for the CLEP general examination.

Students wishing to take CLEP tests should contact the Counseling and Career Development Center for the necessary applications and notify their faculty advisor of their intention to take the test.

The CLEP examinations accepted by USCS are:

American Government: Three credits for Government and International Studies 201 with a satisfactory essay and minimum score of 50 on the objective section.

American History: For American History I three credits chosen from History 201 or 110, for American History II three credits chosen from History 202 or 110 with satisfactory completion of the essay sections and a minimum score of 50 on each objective section.

American Literature: Three credits for English 279 or 280 with satisfactory completion of the essay section and a minimum score of 46 on the objective section.

Analysis and Interpretation of Literature: Three credits for English 102 with a satisfactory essay and a minimum score of 49. Credit is given after completion of English 101 with a C or higher. If CLEP examinations for both Composition and Literature are successfully completed, six hours of credit for English 101 and 102 are awarded upon passing any 300 or higher level English with a grade of C or better.

Biology: Eight credits for Biology 101 and 102, including laboratory credit with a minimum score of 50.

Business Law: Three credits for Business Administration 347 with a minimum score of 51.

Calculus with Elementary Functions: Four credits for Mathematics 141 with a minimum score of 47.

Chemistry: Four credits for Chemistry 111 with a minimum score of 50.

College Algebra: Three credits for Mathematics 121 with a minimum score of 50.

College Algebra and Trigonometry: Four credits for Mathematics 125 or 3 credits for Mathematics 121 with a minimum score of 50.

College Composition: Three credits for English 101 with a satisfactory essay and a minimum score of 48 on the objective section. Credit is awarded after completion of English 102 with a grade of C or better.

Introductory Accounting: Six credits for Business Administration 225 and 226 with a minimum score of 55.

Introductory Marketing: Three credits for Business Administration 350 with a minimum score of 48.

Introductory Sociology: Three credits for Sociology 101 with a minimum score of 50.

Macroeconomics: Three credits for Economics 221 with successful completion of the essay section and a minimum score of 48 on the objective section.

Microeconomics: Three credits for Economics 222 with successful completion of the essay section and a minimum score of 47 on the objective section.

Micro/Macroeconomics: Six credits for Economics 221 and 222 with successful completion of the essay section and a minimum score of 47 on the objective section.

Money and Banking: Three credits for Economics 301 with a minimum score of 50.

Psychology: Three credits for Psychology 101 with a minimum score of 50.

Statistics: Three credits for Economics 291 with a minimum score of 49.

Western Civilization: For Western Civilization I, three credits to be chosen from History 101 or 111; for Western Civilization II, three credits chosen from History 102 or 111 with satisfactory completion of the essay sections and a minimum score of 50 on each objective section.

American College Testing Program (ACT/PEP)

Credit for subjects in which students are knowledgeable, but have no college credit, can be gained through successful completion of the PEP tests. USCS students may earn up to 30 semester hours via PEP. Those attempting PEP must rank in the 70th percentile of the scored population taking the examinations. Students wishing to take an PEP test should contact the Counseling and Career Development Center for the necessary applications and notify their faculty advisor of their intention to take the test.

The ACT PEP examinations accepted by USCS are:

Accounting: Level I: Six credits for Business Administration 225 and 226.

Accounting: Level I: Nine credits for Business Administration 331, 332, and 333.

Accounting: Level II: Area III: Three credits for Business Administration 537.

Finance: Level I: Three credits for Business Administration 363.

Finance: Level II: Three credits for Business Administration 463.

Finance: Level III: Three credits for Business Administration 469.

Management of Human Resources: Level I: Three credits for Business Administration 371.

Management of Human Resources: Level II: Three credits for Business Administration 376.

Management of Human Resources: Level III: Three credits for Business Administration 477.

Marketing: Level I: Three credits for Business Administration 350.

Marketing: Level II: Three credits for Business Administration 352.

Marketing: Level III: Three credits for Business Administration 558.

Operations Management: Level I: Three hours for Business Administration 475.

National League for Nursing Mobility Profile II Examinations (NLN MPII)

Baccalaureate nursing majors who are graduates of diploma nursing programs may earn up to 30 semester hours for nursing courses through successful completion of the NLN Mobility Profile II tests. Registered nurses who are graduates of accredited associate degree nursing programs may transfer up to 18 semester hours of nursing credit and may earn an additional 12 semester hours for nursing courses through successful completion of selected NLN Mobility Profile II tests. Advanced placement credit will be awarded upon successful completion of SNUR 321: Concepts of Professional Nursing. One repeat examination is allowed.

Students wishing to take the NLN MPII tests should contact their School of Nursing student advisor for the necessary information concerning credit, and the Counseling and Career Development Center for an application form.

The NLN Mobility Profile II examinations accepted by USCS are:

Care of the Adult Client: Eighteen credits for Nursing 201, 202, 241, 241L, 331, and 331L with a minimum decision score of 90.

Care of the Client during Childbearing: Six credits for Nursing 341 and 341L with a minimum decision score of 90 on each section.

Care of the Client with Mental Disorder: Six credits for Nursing 441 and 441L with a minimum decision score of 90.

Institutional Credit by Examination

Students regularly enrolled or formerly enrolled in the university may obtain credit by examination for courses in which they have had no class attendance or semester standing. However, permission must be obtained from the dean of the school involved. A grade of not less than B on the examination is necessary to receive credit for the course. Examinations are not permitted in courses in which students previously have enrolled either regularly or as an auditor. Before the examination, applicants must pay the records office a fee of \$15 per semester hour. This fee is non-refundable. The records office issues a receipt which must be shown to the dean of the school conducting the examination. The dean immediately reports the results of the examination to the records office. Credits earned under this regulation are recorded only as hours earned.

Military Service School Credit

Following enrollment, a student may obtain credit for experiences in the Armed Services. In order to receive credit the student must have a DD 214 and/or DD 295 and Certificates of Completion. Students who feel they qualify should contact the admissions office.

Following a review by the admissions office using *A Guide to the Evaluation of Educational Experiences in the Armed Services*, a recommendation for credit is made to the dean of the student's major area. The final decision as to the credit awarded is made by the dean of the school in which the student is enrolled.

Credit for Non-collegiate Programs

USCS will consider credit awarded for non-collegiate educational programs as recommended by the American Council on Education. Documentation is required. Final determination is made by the dean of the school in which the student is enrolled. Students who feel they may qualify should contact the admissions office.

Correspondence Course Credit

Undergraduates may receive credit for correspondence courses taken concurrently with their regular academic work. Students must request permission to enroll in such courses on a form available in the records office. Enrollment must be approved in advance by the dean of the school in which the student is enrolled.

Information concerning correspondence courses available from the University of South Carolina may be obtained from the records office.

English Placement Examination

Entering Freshmen who meet the criteria of the English Placement Examination may receive credit for English 101 after making a minimum grade of C in English 146.

Grading System

Grade Symbols

The grading system outlined below is in effect for all students at the university. Under this system, undergraduate course credit is granted only for earned grades of A, B+, B, C+, C, D+, D, or S. Any of the following symbols (except NR) become a permanent part of students' academic records when assigned.

A, B, C, D, and F carry the traditional academic connotations of excellent, good, average, poor, and failing performance, respectively.

S and U indicate, respectively, satisfactory (passing) and unsatisfactory (failing) performance in courses carried on a pass-fail basis, as indicated in the course description, or in courses for which the pass-fail option is elected under the conditions detailed in the section entitled Pass-Fail Option. The grades of S and U do not enter into the calculation of the GPR nor are they used in evaluation for probation or suspension.

W is assigned for withdrawals after late registration but on or before the last day to withdraw without penalty. W may be assigned, in exceptional cases, to indicate satisfactory performance in courses from which students withdraw after the last day to withdraw without penalty. The grade is used primarily in cases of withdrawal from the university or course withdrawal for medical reasons or other extenuating circumstances. See the catalog section on Changes of Registration for an explanation of the procedures necessary for the assignment of this grade. A grade of W is not used in the evaluation of probation or suspension conditions and GPR computation.

WF is assigned for withdrawal from a course after the last day to withdraw without penalty and is treated as F in the computation of GPR and in the evaluation of probation and suspension conditions.

I, incomplete, indicates satisfactory attendance and performance but failure to complete some portion of the assigned work in the course. By arrangement with the instructor, students may have up to twelve months during which to complete the work before a final grade is recorded. (It is the responsibility of the student to ensure all arrangements for removal of the incomplete have been made and that all work for rectifying the incomplete has been accomplished.) Students seeking an I must arrange a meeting with the instructor before the end of the term to determine the requirements for the completion of the course. If, as indicated by the instructor, circumstances prohibit a meeting before the end of the term, such a meeting should be held within the first thirty days of the next regular (that is, fall or spring) semester. If students do not meet with the instructor by the end of this thirty day period, a final grade may be assigned at the discretion of the instructor. In no case is the ultimate deadline more than twelve months from the date that the I is given. All copies of the incomplete form are to be turned into the records office with the final grade sheets. The records office routes the copies to the appropriate offices and to the student. Upon completion of the required work, the instructor will assign a final grade. If the instructor is no longer at USCS, the student shall, within the time specified on the incomplete grade form, transmit copies of all necessary materials to the former instructor by certified return receipt mail. If the instructor fails to assign

a grade within three months of the date of the request, or if no forwarding address is available, the dean of the appropriate school shall appoint a faculty member to consider the request and assign a grade. In the absence of the assignment of another grade, the I automatically becomes an F, at the end of one year, and may be changed only if it was recorded erroneously. The grade of I affects the computation of GPR as if it were a grade of F until a permanent grade is assigned.

AUD indicates a course was carried on an audit basis.

NR, no record, is assigned by the records office only in the event an instructor fails to submit a student's grade by the proper time. It is a temporary mark on the transcript and must be replaced by a grade. An NR is changed to a grade of F after one semester if no other grade can be obtained from the instructor by the appropriate dean.

Grade Point Ratio

The grade point ratio is computed on the basis of all semester hours attempted for credit within the University of South Carolina system, except for hours carried on a pass-fail basis. The GPR is not affected by courses taken on a non-credit or audit basis.

The grade points earned in courses carried with a passing grade are computed by multiplying the number of semester hour credits assigned to the course by a factor determined by the grade. For courses in which the grade of A is earned, the factor is 4; for B+, 3.5; for B, 3; for C+, 2.5; for C, 2; for D+, 1.5 and for D, 1. the grade point ratio is determined by dividing the sum total of all grade points by the total number of hours attempted for credit (excepting hours carried on a pass-fail basis). No grade points are assigned to the symbols F, S, U, WF, W, I, AUD, or NR.

Grade Reports

At the end of each semester grade reports are sent to students at their permanent address.

Transcripts

A transcript of students' records carries the following information: admission data, current status, a detailed statement of the scholastic record showing courses pursued with semester hours carried, semester hours earned, grades, grade points, and system of grading. All failures, incomplete grades, and penalties such as probation, suspension, or other restrictions are also indicated. No partial record is issued.

All requests for transcripts must be written. Students needing a copy of their transcript or a certified copy of the end-of-semester grade report must complete a transcript request form at the records office. Transcript costs are \$5 for each copy. Certified copies of the end-of-semester grade report are available at \$1 each. No transcript is issued to students who are indebted to the university.

With the exception of copies made for internal university use, no copy of a student's records is released anywhere (including the state department of education) without the student's written consent, unless required by law or court order.

Classification of Students

Classification of students is based on the total number of semester hours earned. A student must have earned 30 semester hours to be classified as a sophomore, 60 for classification as a junior, and 90 for classification as a senior. Students are classified at the beginning of each semester.

Academic Honors

Honor Lists

Each semester academic achievement is recognized by entering students' names on the chancellor's honor list and the dean's honor list. The chancellor's honor list requires a GPR of 4.0 earned on a minimum of 12 credited semester hours. The dean's honor list requires a grade point ratio of 3.5 or higher (3.25 or higher for freshmen) earned on a minimum of 12 credited semester hours.

No course carried on a pass-fail basis is counted toward the 12 hours required for either the chancellor's or dean's honor lists.

Graduation with Honors

Graduation with honors is based on a GPR calculated on the basis of all work attempted, including any work attempted at other institutions. To graduate with honors students must have earned at least 60 semester hours of honors level work applicable toward the degree in residence at the university. The following designations are used:

Summa cum Laude: A cumulative GPR of 4.00

Magna cum Laude: A cumulative GPR of 3.75-3.99

Cum Laude: A cumulative GPR of 3.50-3.74

Honorary Societies

Students whose records demonstrate superior academic achievement may be invited to join several honor societies chartered on the USCS campus. These organizations exist not only to recognize outstanding students but also to promote academic achievement in all areas of the university.

A chapter of Gamma Beta Phi national honor society was chartered at USCS in 1978. Membership is open to students who rank in the top 15 percent of their class and who have completed fifteen or more semester hours in residence at USCS.

Omicron Delta Kappa is a leadership and scholarship honor society affiliated with Omicron Delta Kappa national fraternity. Membership is open to juniors and seniors

who rank in the upper 20 percent of their class and who meet chapter criteria for leadership and service to the campus.

A chapter of Kappa Delta Pi, a national education honorary fraternity, was established at USCS in the spring of 1978. It is open to juniors and seniors who have outstanding academic records and a strong commitment to the profession of education.

Junior Marshals

Members of the Piedmont Society with junior standing, at least thirty hours in residence at USCS, and who have demonstrated the highest levels of academic excellence are asked to serve as Junior Marshals.

Graduation

Requirements and Procedures

Applicants for graduation are urged to confer with the appropriate dean about their major program and degree requirements prior to the beginning of their last semester of residence at USCS. Students who have applied for graduation but did not meet degree requirements must reapply. A one-time graduation fee of \$25 is charged to all applicants.

Residence Requirements. The senior year of work (30 semester hours) must be completed in residence at the university. In residence means that students are regularly enrolled in the university, are members of a class which is supervised by a regular faculty member of USCS, attend classes on a regular, preestablished schedule, and in other ways conform to the requirements which are normally connoted by the term in residence. In residence requirements may not be met by courses for which credit is earned by exemption or examination, courses taken by correspondence, or courses for which transfer credit was awarded. Students who have not established credit for the prescribed number of hours in residence are not eligible for graduation.

Residence Requirements in the Major. To receive a degree, students must complete at least 12 semester hours of major course credit at USCS or at other campuses in the USC system.

Degree Applications. Candidates for degrees and certificates must file formal applications during the last academic term before graduation with the records office on forms obtained at that office. Applications must be filed by the third week of the fall or spring semester in which the degree is to be awarded, or within the first ten days of the first summer session.

Students submit to their dean a list of courses meeting all regulations and requirements of their school and major department which they claim for graduation and for which their GPR is at least 2.0. This list, after verification, forms the basis for the dean's approval or rejection of students' applications for graduation. (This list contains only the courses in which students have performed at or above the required level. The list need not contain all courses attempted or passed, but only those which students wish to submit

in fulfillment of graduation requirements.) A minimum grade of C is required for any course submitted for fulfillment of general or intensive major requirements in most degree programs. Exceptions to this requirement are noted in the description of each academic program.

Second Undergraduate Degree

At times the university confers a second undergraduate degree upon candidates who have completed all requirements for the desired degree. A second degree is awarded provided that the additional requirements for the second degree include a minimum of 18 semester hours beyond those required for the first degree. Within the School of Humanities and Sciences, courses accepted toward the requirements for the first degree may not be applied toward the major requirements for the second degree.

Student Responsibility

The USCS *Student Handbook* contains additional rules and regulations as well as the Code of Academic Responsibility. Students are responsible for obtaining a copy of the handbook from the student affairs office upon registration.

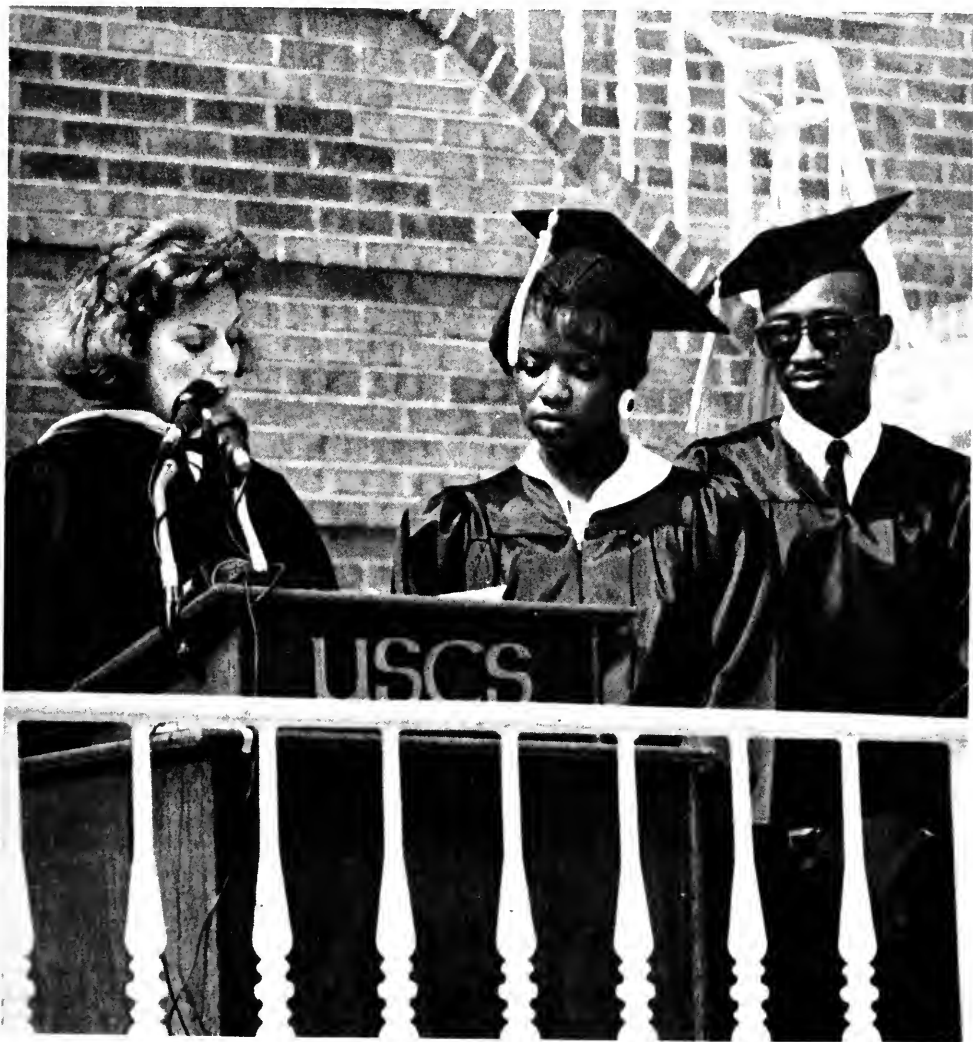
Confidentiality of Student Records

In accordance with the Family Education Rights and Privacy Act of 1974, students have the right to review, inspect, and challenge the accuracy of information kept in a cumulative file by the university unless they waive this right. This act also insures that records cannot be released, other than in emergency situations, without the written consent of students, except in these circumstances:

- To other school officials, including faculty, within the educational institution or local educational agency who have legitimate educational interests.
- To officials of other schools or school systems in which students intend to enroll, upon condition that the students are notified of the transfer, receive a copy of the record if desired, and have an opportunity for a hearing to challenge the content of the record.
- To authorized representative of the Comptroller General of the United States, the Secretary of the United States Department of Education, an administrative head of an educational agency, or state educational authorities.
- In connection with students' applications for, and receipt of, financial aid.
- Where the information is classified as directory information. The following categories of information are designated by the university as directory information: name, address, telephone listings, date and place of birth, major field of study, dates

of attendance, degrees and awards received, and the most recent educational institution attended by the student. Students who do not wish such information released without their consent should notify the records office prior to the first day of classes.

Questions about this law and the university's policy on release of academic information may be directed to the records office.



Academic Programs



Curricula

The curricula established for all baccalaureate degrees include, generally, a set of courses that fulfill the general education requirements, a set of courses that comprise a departmental major, a set of courses that comprise a cognate, and several elective courses.

General Education Requirements. A set of general education requirements is included in each baccalaureate program. The purpose of such requirements is to provide a broadly based educational foundation upon which an area of specialization may be developed. For this reason, students are encouraged to select various courses outside their major area of study.

In order to help insure common educational competencies and skills in all students, the faculty of USCS has adopted a set of general education requirements that apply across all schools of the university. However, the options provided in the general education requirements have been limited and structured to meet the needs of each major. Students are, therefore, advised to follow the specific requirements listed in the catalog under the individual majors.

General Education Requirements

The general education requirements listed below are incorporated into all majors at USCS. They represent a minimum level of introduction to various subdivisions in the liberal arts, providing a common educational experience for all USCS graduates.

A course may be used to satisfy only one general education requirement.

I. Communication

Purposes: To be able to read, write, speak, and comprehend standard English effectively.

English 101 and 102, or 146 ¹	6
Theatre and Speech 140	3

All students must be proficient in writing to be graduated from USCS. English 102 or 146 (with a minimum grade of C in 146) at USCS satisfies this requirement. Transfer students may demonstrate proficiency in writing by any of the following:

- successful completion of English 102 at USCS
- successful completion of English 146 at USCS with a minimum grade of C
- successful completion of a writing competency test (the test may be repeated once)
- successful completion of English 245 at USCS

All students must also be proficient in reading. Students who fail a reading competency exam upon entering must complete General Studies 098.

1 Six hours of credit are awarded with a minimum grade of C in English 146.

II. Mathematics

Purposes: To have knowledge of the fundamentals of algebra especially as used in solving principal, interest, motion, area, volume, rate, and comparable concepts; to be able to construct, read, and interpret graphs, to be able to understand elementary statistics.

- Mathematics 120 or a higher level mathematics course (some USCS majors require higher level mathematics courses) or successful completion of a mathematics competency examination 3
- One additional course to be selected from a higher level mathematics course, logic, or statistics 3

III. Arts and Humanities

Purposes: To exhibit an appreciation of the cultural roots of modern society; to develop analytical reading and writing skills; to explore the fine arts: music, art, drama.

- Fine arts 3
- History 101, 102, 111, or 112 3
- One course selected from the following (but not more than 3 hours in a single discipline in the fine arts) 3
 - American literature; art; English literature, linguistics, or literary theory; history; literature in a foreign language; music; philosophy; religion; theatre; world literature

IV. Social and Behavioral Sciences

Purposes: To understand the dynamics of interactions at the personal, group, and societal level; to have introductory understanding of the dynamics of local, state, national, and international relationships; to exhibit the ability to organize data and information and to analyze and interpret data and information.

- Government 201 3
- Courses from two of the following, with two disciplines represented: . . . 6
 - Anthropology; Economics 221, 222; government and international studies; Geography 103; psychology (except 225); sociology (except 220)

V. Natural Science

Purposes: To explore the methods, strengths, and limitations of science; to exhibit a knowledge of important scientific models which form a basis of our modern culture; to experience the gathering, organization, and interpretation of data; to explore the inter-relatedness of science and society.

- Two courses, including at least one laboratory course, to be selected from one or more of the following: 7-8
 - Astronomy; biology; chemistry; Geography 201, 202; geology; physics

VI. Foreign Culture 3-4

Purposes: To develop an understanding of contemporary foreign culture; to have an awareness of cultural diversity; to increase understanding of international issues.

A course of an international nature chosen from the following:
Anthropology 102; art; Economics 503; English 275, 276, 290, 322, 319, 423; Geography 121, 212, 340; Government and International Studies 310, 447, 491; History 112, 317,318, 321, 341, 344, 351, 352, 356, 357, 358, 365; or any foreign language course except 103

VII. Computer Studies 3

Purposes: To exhibit a knowledge of the uses and limitations of computers, both generally and in the student's major discipline; to be able to use existing software packages and word processing on a microcomputer.

This requirement may be fulfilled in one of the following three ways:
Computer Science 130 and 131, 137; or Education Curriculum and Instruction 120; a computer science course numbered 140 or above; or Engineering 101 and 102

Students with previous computer experience may satisfy the computer studies requirement by successful completion of a competency test.

VIII. Senior Seminar 1-12

Purposes: To integrate knowledge at an advanced level; to explore ethical issues; to gain experience in research and oral presentation.

A course or combination of courses (1 or more semester hours) selected in consultation with the student's major advisor.

Total general education requirements 47-60

Major Requirements

Each baccalaureate degree program includes courses to enable students to specialize in a particular area of interest. A minimum grade of C is required for any course submitted for fulfillment of a major requirement. Exceptions to this requirement are noted in the description of each academic program.

Cognate

In addition to the satisfactory completion of courses in the major field of study, students enrolled in degree programs in the School of Humanities and Sciences must also complete a specified number of hours in advanced courses related to their major. Cognates are not required for professional degrees (i.e., nursing, education, business administration).

The cognate is intended to support the course work in the major. Cognate courses are not a second set of electives chosen at random; rather, they are junior and senior level courses approved in advance by the student's major advisor as being related to the major field of study. Cognate courses may be taken in one or more departments. Courses

usually eligible for consideration as cognate credit include all courses numbered 300 and above, except Mathematics 301 and 302, as well as the following:

Art History and Art Studio 200 and above
Economics 291 and 292
Geography 200 and above
Mathematics 241 and 242
Philosophy 200 and above
Physics 201 and above
Psychology 224

Electives

Most degree programs allow students the opportunity to take a limited number of courses that do not fulfill any specific academic requirements. Normally, any course can be counted as an elective, but some restrictions may be imposed by particular degree programs. Elective credits for participation in the university chorus, orchestra, band or physical education activity courses may be counted up to a maximum of 4 credits. Elective credits for special university courses (SUNV) may be counted up to a maximum of 6 credits.

Senior Seminar Courses

The following courses have been approved as senior seminars: Biology 599; Business Administration 479; Chemistry 599; Computer Science 599; Criminal Justice 495; Education, Directed Teaching; English 490; Government and International Studies 500; History 500; Mathematics 599; Psychology, any 500 level course; and University 401.

Academic Skills Courses

Mathematics 098 and 099, English 100, General Studies 098 and 099 are each 3 semester hour courses available to entering freshmen or transfer students. Admission to these courses is based upon students' placement test results. These courses may not be used to meet degree credit requirements.

Special Programs

Pre-law¹

Although law schools do not generally prescribe any certain curriculum for prospective students, USCS provides advisement service and information about various law school programs through the chair of the Division of Social and Behavioral Sciences.

It must be emphasized that there is no pre-law major. While students interested in law school tend to major in government, majors in English, history, economics, or other subjects are all acceptable majors for pre-law students. However, law schools are interested in candidates who have acquired certain skills, among these are mastery of spoken and written English as well as an ability for critical thinking. In addition to meeting the general education requirements of a major, the following list of suggested courses may help to prepare students for the study of law.

Pre-law Suggested Courses

Freshman Year

Psychology 101: Introduction to Psychology
Foreign language 101 and 102, or 121: French, German, or Spanish
Mathematics 121: College Algebra or Mathematics 122: Calculus for
Management, Natural, or Social Sciences
Sociology 101: Introductory Sociology

Sophomore Year

Economics 221: Principles of Macroeconomics
History 112: An Introduction to Non-Western Civilizations
Logic 205: Introduction to Logic and Rhetoric
Logic 207: Deductive Logic
History 201: History of the United States
Government and International Studies 310: International Politics

Junior Year

Computer Science 130: Introduction to Computer Technology
Computer Science 131: BASIC Programming or Computer Science 137:
Software Applications Packages
Business Administration 225: Financial Accounting
Logic 208: Inductive Logic
Theatre 140: Public Address
Government and International Studies 364: State and Local Government

¹ Students desiring a postgraduate professional degree should note requirements for the three-plus- one program outlined below.

Senior Year

Government and International Studies 452: The Judicial Process
Government and International Studies 550: Constitutional Law
Government and International Studies 551: Civil Rights and Civil Liberties
Upper level literature course

It cannot be emphasized strongly enough that fulfillment of these courses does not assure a student's acceptance into law school. Students in any major or program interested in attending law school should see the chair of the Division of Social and Behavioral Sciences for assignment of a pre-law advisor.

Pre-pharmacy

USCS provides advisement services to pre-pharmacy students through specified faculty members in chemistry. In the fall, a representative of the School of Pharmacy from the University of South Carolina at Columbia meets with interested USCS students to help with advisement. The Medical University of South Carolina in Charleston (MUSC) admits a number of USCS students into its pharmacy school. Entrance requirements differ from those at USC in a number of important ways. A pharmacy advisor should be consulted if one is planning to attend MUSC. Other schools send literature to USCS for prospective pharmacy students.

It must be emphasized that USCS does not offer a degree in pharmacy. However, through an arrangement between USCS and the USC School of Pharmacy, students may apply to the USC School of Pharmacy as early as their freshman year, receive conditional acceptance, and continue at USCS through the sophomore year. The USC School of Pharmacy considers all pre-pharmacy courses as a part of the required courses for the pharmacy program. The following recommended sequence of courses have been developed through consultation between the USC School of Pharmacy and USCS.

Recommended Courses for the USC School of Pharmacy**First Pre-pharmacy Year**

Chemistry 111: General Chemistry
Chemistry 112: General Chemistry and Qualitative Analysis
Mathematics 201: Elementary Statistics
English 101, 102: Composition and Literature
Mathematics 141: Calculus I
100-level history
Fine arts elective
Electives (6-7 semester hours)

Second Pre-pharmacy Year

Chemistry 331: Organic Chemistry
Chemistry 331L: Organic Chemistry Laboratory
Chemistry 332: Organic Chemistry
Chemistry 332L: Organic Chemistry Laboratory
Physics 201: General Physics I
Physics 202: General Physics II
Biology 232: Human Anatomy
Biology 242: Human Physiology

Economics 221: Principles of Macroeconomics
or Economics 222: Principles of Microeconomics
Electives (9 semester hours)

Electives should be chosen from the humanities, the social sciences, computer science, or the following science courses: Biology 101, 102; Chemistry 321, 321L, 541, 541L, 542, 542L.

As soon as possible, students interested in pursuing a career in pharmacy should contact the Freshmen Center or, if they have earned more than 30 semester hours, the chair of the Division of Natural Sciences and Engineering for assignment to a pre-pharmacy advisor.

Honors Program

An honors program is available each May to any USCS student who qualifies. The program is composed of seminars on topics not generally found in the published curriculum. Among topics previously explored are Asian religions, the historical biogeography of the Carolinas, and the civil rights movement in the South during the 1950's and 1960's.

Admission to the honors program requires a minimum 3.50 G.P.R. Applications are taken in February of each year. Forms and information are available from the director of the honors program.

Students who have completed two honors seminars graduate with distinction.

Three-Plus-One Program

USCS awards the Bachelor of Arts or the Bachelor of Science in Interdisciplinary Studies to a student who has satisfactorily completed at least 90 semester hours of undergraduate work and one year (30 semester hours) of work in an accredited medical, dental, veterinary, or law school, provided the applicant has

- made application to the interdisciplinary studies program at USCS;
- satisfied all general education and B.A. or B.S. option requirements for the interdisciplinary studies degree, with all minimum grade requirements met;
- completed a minimum of 15 semester hours of junior and senior level courses at USCS;
- completed at least 30 semester hours of undergraduate work at USCS;
- submitted a notice of intent, approved by the dean of the School of Humanities and Sciences, prior to leaving USCS to enter the professional, postgraduate school; and
- submitted official documents from the approved professional school demonstrating satisfactory completion of the first year of full-time study leading to a post-baccalaureate degree.

A degree other than interdisciplinary studies may be awarded if the combination of course work taken at USCS and the professional school is equivalent to the work

required for another bachelor's degree program at USCS. In such a case, the school in which the degree is offered may recommend awarding that bachelor's degree.

Army Reserve Officer Training Corps (ROTC)

Participation in ROTC is voluntary. Semester hours earned with the department can be applied toward an academic degree program. Uniforms, textbooks, and equipment required for the ROTC program are provided at no expense to the student. For ROTC scholarship students, the Army pays tuition and other expenses (see description under Scholarships). The ROTC program is normally four years of instruction; however, a two-year program is also offered. The four-year program of instruction is divided into the Basic Program and the Advanced Course.

The Basic Program. Acceptance may be considered when one of the following programs have been completed: six semester hours in the Basic Program, two years of active military duty with an honorable discharge, or three years of JROTC. Students must show leadership potential and meet the necessary physical and academic standards. Students participating in the Basic Program have no military service obligation.

The Advanced Program. Satisfactory completion of six semester hours in the Basic Program, ninety contact hours in ROTC sponsored extracurricular activities (see below), substitute military experience (two years of active duty with an honorable discharge), or three years of JROTC qualifies students for entrance into the Advanced Program, if they have also shown leadership potential and have met the necessary physical and academic standards. The student must be an academic junior or senior with acceptance to graduate school to qualify for the advanced program.

Normally taken during the students' junior and senior years, the Advanced Program offers a maximum of 12 semester hours. It provides instruction in techniques of effective leadership, tactics, military law, logistics, administration, responsibility of the officer, and the exercise of command. It is designed to further the development of the students' leadership qualities. Advanced Program students receive a tax-free subsistence allowance of \$100 per month for ten academic months per year, and are paid approximately \$800 for the six week Summer Camp they are required to attend after completion of their junior year. The total subsistence and pay amounts to more than \$2,800 while enrolled in the Advanced Program. Cadets graduating from the ROTC program receive a second lieutenants' commission upon completing their undergraduate degree requirements.

The Advanced Program cadet may elect to enter active duty for three years or participate in the Reserve Force Duty Program (R.F.D.) as means for fulfilling the incurred obligation for military service. Under the R.F.D. program, students are commissioned in either the National Guard or the U.S. Army Reserves for a total of eight years, during which time they attend monthly paid drill periods. This enables individuals to pursue civilian careers and serve their nation at the same time. The R.F.D. program can be guaranteed if the student desires. Moreover, students' preferences concerning the occupational specialty in which they wish to serve are taken into consideration prior to assignment. The options offered are numerous and attractive.

ROTC Activities. In addition to normal classroom instruction, the Military Science Department sponsors numerous extracurricular activities. These activities are designed

to complement and reinforce classroom skills and techniques. Participation is voluntary and no academic credit is awarded. However, contact hours may be accumulated and used for progression into the Advanced Program. The activities presently offered are the rifle team, and the Rangers. A chapter of the National Military Honor Society of Scabbard and Blade is available for student participation. Adventure activities such as rappelling, orienteering, and mountaineering are open for participation.

Graduate Regional Studies

The graduate school of the University of South Carolina at Columbia offers courses on the USCS campus. Classes offered include guidance and counseling; journalism; librarianship; social work; and art, early childhood, elementary, secondary, and reading education as well as educational administration. Other courses may also be taught. For a listing of course offerings, applications, and other information consult the Director of Graduate Regional Studies, located in the Media Building on the USCS campus (599-2559).

New Students. New students must apply for admission to the Graduate School of the University of South Carolina. A nonrefundable application fee of \$25 is required.

Students planning to take courses on the USCS campus should send applications to the Office of Graduate Regional Studies, USCS.

Admission for Renewal of Teaching Certification. This admission status permits teachers to take 12 hours of graduate credit over the next five years in order to renew their teaching certificate. Applicants must complete only the Certification Admission form, provide their teaching certificate number, and pay a \$25 application fee. No transcripts or other forms are required. Applicants eligible to use this admission status are those who enroll to renew a professional certificate, intend to take only 12 hours during the next five years, do not plan to enter a degree program, and have taken no USC graduate courses in five years.

Students wishing to take more than twelve hours during the five year period must submit a regular Graduate School application for nondegree admission. No additional application fee is required.

Fees for certified teachers (both resident and nonresident) are currently reduced to \$86 per semester hour. Teachers must have a valid teaching certificate. The tuition reduction is only available for those taking less than 12 hours. To avoid delays at registration, teachers should bring a photocopy of their teaching certificates.

Nondegree Status. Teachers may register for 12 hours on a nondegree basis by completing an application and requesting that an official transcript of baccalaureate credits with the degree posted be sent to the Graduate School.

Full Admission to a Degree Program. Applicants are required to meet all standards for admission as outlined in the University of South Carolina *Bulletin*.

School of Business Administration and Economics



The mission of the School of Business Administration and Economics (SBAE) at the University of South Carolina at Spartanburg is to graduate persons who are capable of success in a variety of business and business-related endeavors.

Graduates are expected to have the ability to communicate effectively based on a strong liberal-arts background. Graduates are expected to be competent in their chosen field and to possess a comprehensive knowledge of all core aspects of the business curriculum. Graduates are expected to demonstrate a strong sense of personal and business ethics; a sensitivity to local, national, and world problems; and the potential to lead as well as follow. Graduates are expected to understand the need for a commitment to continued career development and the necessity for lifelong skill and knowledge enhancement. Graduates are expected to understand the impact of technology on the business community.

The School of Business Administration and Economics perceives its role to be one of providing academic leadership and services in areas pertaining to business, to the populace, and to government.

To address the mission, the program includes a broad liberal arts background preceding the professional preparation necessary for entry level jobs in business and industry. The curriculum has sufficient flexibility to be adapted by students to their particular interests and goals. Students who major in business administration elect a concentration in accounting, economics/finance, management, or marketing. All concentrations are offered during the day. Curriculum tracks for public accounting, management accounting, and manufacturing management are presently offered in the evenings. Manufacturing management is not presently offered during the day. Students are invited to visit the School of Business Administration and Economics to explore career opportunities.

All business administration students are required to take the specified general education courses. Students then take a common business and economics core sequence, spanning the full range of business functions. Finally, students take a concentration as named above. There are 2-6 hours of electives which may be used for a particular pursuit in business and economics or for exploration of areas of academic interest outside the major.

Students planning a major in business administration should begin with the recommended curriculum as early as possible. This sequence includes a combination of business, economics, and general education courses suggested for each semester in which the student is enrolled. It is imperative that students begin their mathematics/statistics sequence in the first semester of their freshman year and continue this sequence each semester to make adequate progress in any of the business concentrations.

Students in business administration are advised by faculty from the School of Business Administration and Economics. Those students with less than 31 earned semester hours are assigned an advisor from the Freshmen Center who has expertise in business administration and economics requirements.

Admission to the Professional Program (Upper Division)

Students are admitted to the upper division upon completion of 60 semester hours with a 2.25 GPR (collegiate summary). Students apply for admission to the upper division during the semester in which they anticipate completion of 60 hours toward their degree; in each case, hours completed plus hours currently enrolled must total 60 semester hours. Tentative approval will be given based on this data to facilitate preregistration, but it is the student's responsibility to make schedule adjustments should he or she fail to meet the upper division admissions standards. Otherwise, the student failing to meet standards for admission into the professional program will be administratively dropped from upper division business administration and economics courses--a process that may occur several weeks into the semester with a consequent loss of tuition to the student. An application form for the professional program is available in the office of the School of Business Administration and Economics.

Students pursuing fields of study outside of business administration and economics may earn a maximum of 30 semester hours in business administration and economics courses providing they meet the course prerequisites and have attained junior standing (60 semester hours earned) before enrolling in upper division courses (300-level and above).

Exceptions to School of Business Administration and Economics admissions criteria are determined by the SBAE Admissions and Petitions Committee.

Transfer Credits

A maximum of 60 semester hours of transfer credit will be accepted from a two-year institution outside the University of South Carolina system and applied toward the Bachelor of Science degree in Business Administration.

Graduation Requirements

In addition to meeting the curriculum requirements for a degree in business administration, graduation requires a minimum cumulative GPR of 2.0 and a minimum grade of C on all upper division business administration and economics courses. The highest grade earned on any course in business administration and economics is applied toward the degree.

Bachelor of Science
Major in Business Administration

(Concentrations in Accounting, Economics/Finance, Management, and Marketing)

General Education Requirements:

I.	Communication	
	English 101 and 102, or 146 ¹	6
	Theatre and Speech 140	3
II.	Mathematics	
	Mathematics 121, 122 or higher level mathematics courses	6-8
III.	Arts and Humanities	
	Fine Arts	3
	History 101, 102, 111, or 112	3
	One course selected from the following:	3
	Art, religion, music, literature in a foreign language, theatre, philosophy, history	
IV.	Social and Behavioral Sciences	
	Government 201	3
	Courses from two of the following, with two disciplines represented:	6
	Anthropology; government and international studies; Geography 103; psychology (except 225); sociology (except 220)	

1 Six hours of credit are awarded with a minimum grade of C in English 146.

- V. Natural Science**
Two courses, including at least one laboratory course, to be selected from one or more of the following: 7-8
Astronomy; biology; chemistry; Geography 201, 202; geology; physics
- VI. Foreign Culture**
One course selected from the following: 3-4
Anthropology 102; art; English 276, 290, 322, 319, 423; Geography 121, 212, 340; Government and International Studies 310, 447, 491; History 112, 317, 318, 321, 341, 344, 351, 352, 356, 357, 358, 365; or any foreign language except 103
- VII. Computer Studies**
Computer Science 130, 131 and 137 (or equivalent) 4
- VIII. Senior Seminar:** see major course requirements

Major Course Requirements:

Business Core (required in all concentrations)

Business Administration 225, 226, 290, 347, 350, 363, 371, 372, 478	. . . . . 27
Economics 221, 222, 291, 292	. . . . . 12
Senior Seminar (Business Administration 479)	. . . . . 1

Major Concentration Areas:

Accounting

Public Accounting Track¹

Business Administration 331, 332, 333, 335, 433, 435, 437, 561 24
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Management Accounting Track

Business Administration 331, 332, 333, 390, 433, 561, and two of the following: Business Administration 335, 364, 474, 476, 490, 491, 495 24
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Economics/Finance

Economics 301, 321, 322, 503; one of the following Business Administration 364 or 365; and two of the following: Economics 311, 499, 526, 594, Business Administration 499, 561 21
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Management

General Management Track

Business Administration 374, 474, 475, 477, Economics 503; one of the following: Business Administration 390, 473, 476, 499; and one of the following: Business Administration 365, 452, 456, 471, 491, 561, Economics 526 21
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1 Students planning to take the Certified Public Accountant examination should take Business Administration 348, 432 and 435L in addition to the accounting concentration courses.

Manufacturing Management Track

Business Administration 333, 390, Economics 503 plus any four of the following: Business Administration 374, 452, 474, 475, 476, or 477 . . . 21

Marketing

Business Administration 351, 352, 452, 457, 458 and two of the following:
Business Administration 353, 374, 390, 456, 459, 499, 561, Economics 503, 526 21

Supporting Courses

Two additional English courses above 200 6

Electives¹ 2-6

Total hours required 120 (123 for Accounting)

1 General studies courses, University 102 and 103, Mathematics 098 and 099, and English 100 are not acceptable as electives.

School of Education

The School of Education is an accredited professional school whose chief responsibility is the preparation of teachers for early childhood, elementary, middle, and secondary school certification. The School of Education exercises responsibility for decisions directly affecting the teacher education curriculum and each major area of the teacher education process. The School of Education offers programs in early childhood education and elementary education leading to the Bachelor of Arts degree, in physical education leading to a Bachelor of Science degree, and in secondary education leading to either the Bachelor of Arts or Bachelor of Science degree. In addition to their basic task of providing professional education at the undergraduate level, the faculty of the school undertake research projects which contribute to improvement in the theory and practice of teacher education. They generate handbooks, conference reports, and scholarly publications designed to assist teachers, administrators, and other educators. The faculty sponsor various conferences planned specifically for the staff of elementary, middle, and secondary schools; often these are cooperative efforts with other agencies. They also cooperate with a number of bureaus and clinics developed to augment public school programs and to provide specialized services to the educational community.

The School of Education maintains a curriculum laboratory for the use of USCS faculty, staff, and students, and area public school teachers. This facility provides curriculum aids for instructors at all levels. The Science Education Center serves students as well as public school teachers and administrators in the area.

The Burroughs Child Development Center gives students an opportunity to observe and to work with children ages 3 to 6 in a laboratory setting. It offers high quality child care to students and citizens of the community.

Philosophy

The administrators and faculty of the USCS School of Education, in describing the nature of the school's program have developed a consistent set of principles and values which serves as the foundation of the school's approach to curriculum and pedagogy. It is the belief of the faculty that students enrolled in the teacher education program at USCS will be better teachers if they internalize and act in accordance with the philosophy which is stated below.

Students who graduate from the USCS teacher education program should possess:

I. A general exposure to and an appreciation of the traditional liberal arts and sciences of both western and non-western traditions. Among these are included a functional knowledge and appreciation of those disciplines found in:

a. The natural sciences, including both physical and biological sciences, with reference not only to bodies of theoretical and practical knowledge they have generated, but also to the methods of logical inquiry they have employed and refined.

b. The social and behavioral sciences, through knowledge and inquiry employed in qualitative and quantitative research about human individual and social behavior including a study of the field of education.

c. Mathematics and computer studies, including knowledge of the fundamentals of algebra, mathematical problem solving, and the applications of basic statistics as well as an understanding of the uses and limitations of the computer, both generally and in a student's major discipline.

d. The fine arts, especially an acquaintance with and an appreciation for key works and their creators, in both performing and visual arts from both western and non-western artistic traditions.

e. Literature, including key works of various genres by male and female authors from western and non-western literary traditions.

f. Communication, including study of techniques of effective writing and speaking as well as sufficient opportunities to practice those techniques.

II. A specific exposure to the most up-to-date learning theories and pedagogical practices. This requires mastery of content-area knowledge, planning skills, instructional skills, human relations skills, classroom management skills, media and technological skills, basic computer skills, knowledge of human growth and development, knowledge of the foundations of education, and knowledge of the various theories of human learning and motivation. There should also be an awareness of and an ability to interpret descriptive statistics leading to appropriate testing, measuring, and evaluating of pupil achievement not only in cognitive learning, but also in affective and psychomotor learning.

III. A set of ethical attitudes and habits. Administrators and faculty members model, foster, and reinforce principles of justice, sensitivity and tolerance toward racial, ethnic, cultural, spiritual, and gender differences, self-awareness, self-confidence, conviction to teaching, and open-mindedness. No student completes the USCS teacher education program without having thoroughly examined his or her values, clarified them, and made some attempt to determine whether or not these values are internally consistent, socially worthwhile, and egalitarian in view.

IV. A commitment to the principle of equality of educational opportunity for all students regardless of race, ethnic background, religious affiliation, handicapping condition, or gender. In light of this, the teachers prepared in the USCS teacher education program are aware of the need for early childhood, elementary, and secondary educators to be committed to this principle and the supporting principles of multicultural education. The program of the School of Education reflects a steadfast commitment to the principles of equity and fairness.

V. A commitment to knowledge of both theory and practice and an understanding of how one informs and strengthens the other. The faculty and administration of the USCS School of Education believe that attempting to teach any educational theory without the opportunity for practical application of the theory is fruitless, and that attempting to teach any lesson without an understanding of state of the art theoretical grounding is equally fruitless. A well-prepared teacher understands that teaching is an art informed

by science; the well-prepared teacher is guided by the best theory and practice known at a given time.

Admission to the Professional Program

Students must apply to the School of Education for admission to the professional program, which covers the junior and senior years. The professional program application form may be obtained from the school office and must be filed with that office at the beginning of the term in which students complete 60 semester hours of study. The deadline for submitting applications is the last day of September for the following spring and the last day of February for the following fall. Applications for summer admission are accepted during June.

Admission of applicants is based on individual consideration. For screening purposes, applicants may also be requested to meet with a faculty committee of the School of Education. Each applicant must fulfill the following general requirements:

- completion of English 101 and 102 and Theatre 140 or their equivalents, with grades of C or better,
- cumulative GPR of at least 2.5 on at least 60 hours earned,
- the achievement of the minimum score on the South Carolina Education Entrance Examination,
- two letters of recommendation with one coming from the general faculty and one from the School of Education faculty.

Action is taken on a student's application for admission to the professional program as soon as the academic records are available. Students who are accepted enter the professional program. Students whose applications are denied are advised of their alternatives.

Students who plan to meet the requirements for a teaching certificate in secondary education while enrolled in another school of the university should consult with the dean of the School of Education. The dean assigns an advisor in the School of Education to guide the student through the professional sequence of courses. Such consultation should be held as early as possible in the student's undergraduate career to ensure adequate familiarity with teacher education requirements. Students enrolled in other schools of the university should take particular care to inquire about state certification requirements.

Education courses at the 400-level and above may be taken only after admission to the professional program. Students who complete the professional program and who pass the Test of Professional Knowledge, the National Teachers Examination (specialty area) and complete three observations using the Assessment of Performance in Teaching (APT) instrument fulfill the certification requirements of the South Carolina State Board of Education, which uses the standards of the National Association of State Directors of Teacher Education and Certification.

Admission to Directed Teaching

Students who wish to enroll for directed teaching must apply no later than the last working day of September (if they wish to teach in the spring) or the last working day of February (if they wish to teach in the fall). The following are general requirements for all students admitted to directed teaching:

- prior admission to the professional program,
- completion of three-fourths of all major course work,
- 2.5 GPR on major course work with a grade of C or better in each course,
- completion of 90-semester hours,
- 2.5 cumulative GPR,
- completion of all education methods courses with a grade of C or better in each,

In addition to these general requirements, there are specific course prerequisites for each major field. These prerequisites may be changed from time to time at the discretion of the school.

It is the responsibility of students to secure from the school office an updated list of prerequisites for directed teaching in their major and to arrange their course of studies with their education advisor so as to meet those prerequisites.

Transfer Admission

Transfer students with fewer than 60-semester hours of credit may take courses in the School of Education if they meet all university admission requirements. Transfer students who have earned 60 hours or more must meet the admission criteria for the professional program at the time of their initial application for admission to the School of Education as a major. Criteria are available in the school office. Only 64-semester hours of credit may be accepted for transfer from a two-year institution and applied toward the professional degree.

Continuation Standards

After being admitted to the professional program, students must maintain at least a 2.5 GPR for retention in the program; this is in excess of the minimum GPR required by the university for continuing enrollment. Students who do not maintain a 2.5 GPR cannot enroll in any education courses above the 300-level.

Evaluation

In addition to evaluations as described in course syllabi, students' competencies relative to School of Education objectives and criteria are evaluated both in professional courses and during directed teaching in the professional phase of teacher education. Every applicant for admission to a professional program undergoes an appraisal by the Teacher Education Program Admissions Committee. This appraisal provides a source of evalua-

tion on non-academic as well as academic factors relative to teaching potential. Continuing advisement sessions use data from various sources in helping prospective teachers to overcome any weaknesses that become evident during their period of preparation.

Degree Programs

The School of Education has developed curricula leading to the baccalaureate degree in four broad fields: early childhood, elementary, secondary, and physical education. Although the number of credit hours required for graduation varies to some extent with the subject that the student prepares to teach, a minimum of 127 hours is required for any baccalaureate degree in the School of Education. Students are assigned an advisor with whom they should plan in advance their program of studies for each semester or summer session.

Early Childhood Education. The early childhood education program provides preparation for teaching in nurseries, kindergartens, and in the primary grades (1-4). A substantial portion of the curriculum consists of course work in the liberal arts to establish a broad educational background prior to the professional sequence of courses. The professional sequence provides content and direct opportunities for field experience. The final experience is a semester-long student teaching assignment of which half is in a kindergarten and half in grades 1, 2, 3, or 4.

Elementary Education. The program is designed to prepare students to teach in grades 1-8. The program consists of a general liberal arts background, professional educational training, and preparation in the subject matter to be taught.

During the semester in which students are enrolled in directed teaching (SEDL 470), they spend all of each school day for a period of fifteen weeks in the elementary or middle school to which they are assigned. For both the early childhood and the elementary education degrees, students spend one half of their directed teaching experience at one grade level and half at another. Students are prohibited from enrolling in any additional course work during this semester without the written consent of the dean.

Secondary Education. The program in secondary education prepares students to teach in grades 7-12 and does so through a core of general liberal arts course work; professional education course work, including field-based clinical experiences; a split-placement student teaching experience; and intensive course work in a specific area of subject specialization. The secondary education curriculum may lead to either a Bachelor of Arts or Bachelor of Science degree depending upon the chosen area of subject specialization. The Bachelor of Arts degrees in English and in social studies education require two semesters of foreign language study. Areas of subject specialization in secondary education at USCS include biology, chemistry, English, mathematics, social studies--history, and social studies--political science.

Physical Education. The physical education program is designed to prepare students to teach physical education in grades K-12. In addition to a core program in the liberal arts, students undertake studies in the professional education area as well as in-depth study in physical education.

For both secondary and physical education majors, laboratory experiences comprise an important part of the curriculum in the junior and senior years. During their directed

teaching experience, secondary education majors spend one-half of the semester in a middle school and one-half the semester in a secondary school. Directed teaching for physical education majors is arranged at both the elementary and secondary level.

The School of Education reserves the right to change requirements and modify programs as necessary to fulfill state certification requirements. Students must periodically request updated information from the school.

Bachelor of Arts **Major in Early Childhood Education**

General Education Requirements

I.	Communication		
	English 101 and 102, or 146 ¹	. . . . .	6
	Theatre and Speech 140	. . . . .	3
II.	Mathematics		
	Mathematics 301 and 302	. . . . .	6
III.	Arts and Humanities		
	Art history	. . . . .	3
	Music History and Literature 110	. . . . .	3
	History 111	. . . . .	3
IV.	Social and Behavioral Sciences		
	Government and International Studies 201	. . . . .	3
	Sociology 101 or Psychology 101	. . . . .	3
	Geography 121	. . . . .	4
V.	Natural Sciences		
	Biology 110	. . . . .	4
	Physics (Physical Science) 101	. . . . .	4
VI.	Foreign Culture		
	History 112	. . . . .	3
VII.	Computer Studies		
	Computer Science 130	. . . . .	2
	Education Curriculum and Instruction 120	. . . . .	1
VIII.	Senior Seminar: see directed teaching		
	Professional Education		
	SEDF 210: Introduction to Education	. . . . .	2
	SEDE 322: Survey of Early Childhood Education	. . . . .	3

1 Six hours of credit are awarded with a minimum grade of C in English 146.

SEDF 333, 333L: Introduction to Child Psychology and Development . . .	3
SEDF 334, 334L: Introduction to Adolescent and Adult Psychology . . .	3
SEDF 341: Education Procedures for Exceptional Children . . .	3
SEDF 485: Classroom Management . . .	2
SEDF 486: Measurement and Evaluation in Education . . .	1
SHED 331: Health and Education for the Elementary Child . . .	2
SPED 315: Physical Education for the Elementary Child . . .	2
SAED 329: Art for the Elementary Schools . . .	2
SMUE 454: Music for Young Children . . .	2
SEDR 414: Teaching Reading I . . .	3
SEDR 416: Teaching Reading II . . .	3
SEDE 400: Resources for Teaching . . .	1
SEDE 445: Language Development and Communicative Skill . . .	3
SEDE 446: Math for the Young Child . . .	3
SEDE 447: Social Studies for the Young Child . . .	3
SEDE 448: Science for the Young Child . . .	3
SEDE 469: Directed Teaching in Early Childhood Education . . .	12
Support Courses	
English literature . . .	6
SEGL 484: Children's Literature . . .	3
Science elective . . .	3-4
SHED 221: Personal and Community Health . . .	3
Electives: (minimum of 3 hours of upper division courses) . . .	8-9
Total hours required . . .	127-129

Bachelor of Arts
Major in Elementary Education

General Education Requirements

I. Communication	
English 101 and 102, or 146 ¹ . . .	6
Theatre and Speech 140 . . .	3
II. Mathematics	
Mathematics 301 and 302 . . .	6
III. Arts and Humanities	
Art history . . .	3
Music History and Literature 110 . . .	3
History 111 . . .	3

1 Six hours of credit are awarded with a minimum grade of C in English 146.

IV. Social and Behavioral Sciences	
Government and International Studies 201	3
Sociology 101 or Psychology 101	3
Geography 121	4
V. Natural Sciences	
Biology 110	4
Physics (Physical Science) 101	4
VI. Foreign Culture	
History 112	3
VII. Computer Studies	
Computer Science 130	2
Education Curriculum and Instruction 120	1
VIII. Senior Seminar: see directed teaching	
Professional Education	
SEDF 210: Introduction to Education	2
SEDF 321: Dynamics of American Education	2
SEDF 333, 333L: Introduction to Child Psychology and Development	3
SEDF 334, 334L: Introduction to Adolescent and Adult Psychology and Development	3
SEDF 341: Education Procedures for Exceptional Children	3
SEDF 485: Classroom Management	2
SEDF 486: Measurement and Evaluation in Education	1
SHED 331: Health and Education for the Elementary Child	2
SPED 315: Physical Education for the Elementary Child	2
SAED 329: Art for the Elementary Schools	2
SMUE 454: Music for Young Children	2
SEDR 414: Teaching Reading I	3
SEDR 416: Teaching Reading II	3
SEDL 400: Resources for Teaching	1
SEDL 410: Elementary Practicum	1
SEDL 441: The Elementary School Curriculum and Organization	3
SEDL 445: Teaching Language Arts in the Elementary and Middle School	2
SEDL 446: Teaching Math in the Elementary and Middle School	2
SEDL 447: Teaching Social Studies in the Elementary and Middle School	2
SEDL 448: Teaching Science in the Elementary and Middle School	2
SEDL 470: Directed Teaching in the Elementary and Middle School	12
Support Courses	
English literature	6
SEGL 484: Children's Literature	3
Science elective	3-4
SHED 221: Personal and Community Health	3
Electives: (minimum of 3 hours of upper division courses)	8-9
Total hours required	127-128

Bachelor of Science
Major in Secondary Education (Biology)

General Education Requirements

I. Communication	
English 101 and 102, or 146 ¹	6
Theatre and Speech 140	3
II. Mathematics	
Mathematics 120 or higher level mathematics	3
Mathematics 201, Psychology 225, or Sociology 220	3
III. Arts and Humanities	
Art history or Music History and Literature 110	3
History 101, 102, or 111	3
English literature	3
IV. Social and Behavioral Sciences	
Government and International Studies 201	3
Sociology 101	3
Psychology 101	3
V. Natural Sciences	
Biology 101	4
Biology 102	4
VI. Foreign Culture	
History 112, English 275, or English 276	3
VII. Computer Studies	
Computer Science 130	2
Education Curriculum and Instruction 120	1
VIII. Senior Seminar: see directed teaching	
Professional Education	
SEDF 210: Introduction to Education	2
SEDF 321: Dynamics of American Education	2
SEDF 333, 333L: Introduction to Child Psychology and Development	3
SEDF 334, 334L: Introduction to Adolescent and Adult Psychology and Development	3
SEDF 341: Education Procedures for Exceptional Children	3
SEDF 485: Classroom Management	2
SEDF 486: Measurement and Evaluation in Education	1
SEDR 418: Reading in the Secondary Schools	3

1 Six hours of credit are awarded with a minimum grade of C in English 146.

SEDS 400: Resources for Teaching	1
SEDS 410: Secondary School Practicum	1
SEDS 441: Secondary School Curriculum	2
SEDS 448: Teaching School Science	2
SEDS 460: Teaching Methods in Secondary Education	2
SEDS 481: Directed Teaching in High School (Biology)	12
Concentration	
SBIO 310: Invertebrate Zoology	4
SBIO 315: Comparative Vertebrate Anatomy	4
SBIO 320: Botany	
or 380: Plant Geography	4
SBIO 330: Microbiology	4
SBIO 350: Genetics	4
SBIO 570: Principles of Ecology	4
SCHM 112: General Chemistry and Quantitative Analysis	4
SCHM 102: Fundamental Chemistry II	
or SBIO 340: Cell Biology	4
Support Courses	
SHED 221: Personal and Community Health	3
SCHM 111: General Chemistry I	4
Electives	3
Total hours required	129

Bachelor of Science Major in Secondary Education (Chemistry)

General Education Requirements

I. Communication	
English 101 and 102, or 146 ¹	6
Theatre and Speech 140	3
II. Mathematics	
Mathematics 141	4
Mathematics 142	4
III. Arts and Humanities	
Art history or Music History and Literature 110	3
History 101, 102, or 111	3
English literature	3

1 Six hours of credit are awarded with a minimum grade of C in English 146.

IV. Social and Behavioral Sciences	
Government and International Studies 201	3
Sociology 101	3
Psychology 101	3
V. Natural Sciences	
Biology 101 or 110	4
Physics 201 or 211	4
VI. Foreign Culture	
History 112, English 275, or English 276	3
VII. Computer Studies	
Computer Science 130	2
Education Curriculum and Instruction 120	1
VIII. Senior Seminar: see directed teaching	
Professional Education	
SEDF 210: Introduction to Education	2
SEDF 321: Dynamics of American Education	2
SEDF 333, 333L: Introduction to Child Psychology and Development	3
SEDF 334, 334L: Introduction to Adolescent and Adult Psychology and Development	3
SEDF 341: Education Procedures for Exceptional Children	3
SEDF 485: Classroom Management	2
SEDF 486: Measurement and Evaluation in Education	1
SEDR 418: Reading in the Secondary Schools	3
SEDS 400: Resources for Teaching	1
SEDS 410: Secondary School Practicum	1
SEDS 441: Secondary School Curriculum	2
SEDS 448: Teaching School Science	2
SEDS 460: Teaching Methods in Secondary Education	2
SEDS 481: Directed Teaching in High School (Chemistry)	12
Concentration	
SCHM 111: General Chemistry	4
SCHM 112: General Chemistry and Qualitative Analysis	4
SCHM 321: Quantitative Analysis	4
SCHM 331: Organic Chemistry I	4
SCHM 332: Organic Chemistry II	4
SCHM 541: Physical Chemistry I	4
Chemistry elective or approved biology or physics (upper division)	3-4
SMTH 241: Multivariable Calculus	4
Support Courses	
SHED 221: Personal and Community Health	3
SPHS 202: General Physics II or 212: Essentials of Physics II	4
Electives	3
Total hours required	129

**Bachelor of Science
Major in Secondary Education (Mathematics)**

General Education Requirements

I. Communication	
English 101 and 102, or 146 ¹	6
Theatre and Speech 140	3
II. Mathematics	
Mathematics 125 (or equivalent or higher level mathematics)	4
Mathematics 174	3
III. Arts and Humanities	
Art history or Music History and Literature 110	3
History 101, 102, or 111	3
English literature	3
IV. Social and Behavioral Sciences	
Government and International Studies 201	3
Sociology 101	3
Psychology 101	3
V. Natural Sciences	
Biology 110	4
Physical science elective (geology, physics or chemistry)	4
VI. Foreign Culture	
History 112	3
VII. Computer Studies	
Computer Science 140	3
Education Curriculum and Instruction 120	1
VIII. Senior Seminar: see directed teaching	

Professional Education

SEDF 210: Introduction to Education	2
SEDF 321: Dynamics of American Education	2
SEDF 333, 333L: Introduction to Child Psychology and Development	3
SEDF 334, 334L: Introduction to Adolescent and Adult Psychology and Development	3
SEDF 341: Education Procedures for Exceptional Children	3
SEDF 485: Classroom Management	2
SEDF 486: Measurement and Evaluation in Education	1
SEDR 418: Reading in the Secondary Schools	3

1 Six hours of credit are awarded with a minimum grade of C in English 146.

SEDS 400: Resources for Teaching	1
SEDS 410: Secondary School Practicum	1
SEDS 441: Secondary School Curriculum	2
SEDS 446: Teaching School Math	2
SEDS 460: Teaching Methods in Secondary Education	2
SEDS 478: Directed Teaching in High School (Math)	12
Concentration	
SMTH 141: Calculus I	4
SMTH 142: Calculus II	4
SMTH 241: Multivariable Calculus	4
SMTH 531: Geometry	3
SMTH 543: Algebraic Structures	3
SMTH 544: Applied Linear Algebra	3
SMTH 315: Statistical Methods I or SMTH 512 Probability and Statistics	3
Mathematics electives chosen from SMTH 242 or higher or computer science electives higher than SCSC 140	9
Support Courses	
SHED 221: Personal and Community Health	3
SEGL 275 or 276	3
Electives	0-3
Total hours required	129

**Bachelor of Arts or Science
Major in Secondary Education (English)**

General Education Requirements

I. Communication	
English 101 and 102, or 146 ¹	6
Theatre and Speech 140	3
II. Mathematics	
Mathematics 120 or higher level mathematics	3
Mathematics 201, Psychology 225, or Sociology 220	3
III. Arts and Humanities	
Art history	3
Music History and Literature 110	3
History 101, 102, or 111	3
IV. Social and Behavioral Sciences	
Government and International Studies 201	3

1 Six hours of credit are awarded with a minimum grade of C in English 146.

	Sociology 101 or Anthropology 102	3
	Psychology 101	3
V.	Natural Sciences	
	Biology 110	4
	Physical science elective (geology, chemistry, or physics)	4
VI.	Foreign Culture	
	History 112	3
VII.	Computer Studies	
	Computer Science 130	2
	Education Curriculum and Instruction 120	1
VIII.	Senior Seminar: see directed teaching	
	Professional Education	
	SEDF 210: Introduction to Education	2
	SEDF 321: Dynamics of American Education	2
	SEDF 333, 333L: Introduction to Child Psychology and Development	3
	SEDF 334, 334L: Introduction to Adolescent and Adult Psychology and Development	3
	SEDF 341: Education Procedures for Exceptional Children	3
	SEDF 485: Classroom Management	2
	SEDF 486: Measurement and Evaluation in Education	1
	SEDR 418: Reading in the Secondary Schools	3
	SEDS 400: Resources for Teaching	1
	SEDS 410: Secondary School Practicum	1
	SEDS 441: Secondary School Curriculum	2
	SEDS 445: Teaching School English	2
	SEDS 460: Teaching Methods in Secondary Education	2
	SEDS 473: Directed Teaching in High School (English)	12
	Concentration	
	SEGL 291: Black American Literature or other approved course in minority literature	3
	SEGL 407: Shakespearean Drama	3
	SEGL 451: Introduction to the Study of Language	3
	SEGL 453: Development of English Language or 455: Language Study Applications or an approved linguistics course	3
	SEGL 459: Advanced Rhetoric and Composition or 468: Creative Writing or an approved course in writing or writing theory	3
	SEGL 483: Theory of Literary Criticism	3
	SEGL 485: Adolescent Literature	3
	SEGL 490: Senior Seminar in English	3
	British literature	3
	American literature	6
	Support Courses	
	SHED 221: Personal and Community Health	3

SEGL 275: Masterpieces of World Literature	
or 276: Masterpieces of World Literature II	3
Foreign language (required for Bachelor of Arts only)	6-8
Electives	0-3
Total hours required for Bachelor of Science	128
Total hours required for Bachelor of Arts	131-136

Bachelor of Arts or Science
Major in Secondary Education (Social Studies/History)

General Education Requirements

I. Communication	
English 101 and 102, or 146 ¹	6
Theatre and Speech 140	3
II. Mathematics	
Mathematics 120 or higher level mathematics	3
Mathematics 201, Psychology 225, or Sociology 220	3
III. Arts and Humanities	
Art history	3
English literature	3
History 101, 102, or 111	3
IV. Social and Behavioral Sciences	
Government and International Studies 201	3
Sociology 101	3
Psychology 101	3
V. Natural Sciences	
Biology 110	4
Physical science elective (geology, chemistry, or physics)	4
VI. Foreign Culture	
History 112	3
VII. Computer Studies	
Computer Science 130	2
Education Curriculum and Instruction 120	1
VIII. Senior Seminar: see directed teaching	

1 Six hours of credit are awarded with a minimum grade of C in English 146.

Professional Education

SEDF 210: Introduction to Education	2
SEDF 321: Dynamics of American Education	2
SEDF 333, 333L: Introduction to Child Psychology and Development	3
SEDF 334, 334L: Introduction to Adolescent and Adult Psychology and Development	3
SEDF 341: Education Procedures for Exceptional Children	3
SEDF 485: Classroom Management	2
SEDF 486: Measurement and Evaluation in Education	1
SEDR 418: Reading in the Secondary Schools	3
SEDS 400: Resources for Teaching	1
SEDS 410: Secondary School Practicum	1
SEDS 441: Secondary School Curriculum	2
SEDS 447: Teaching School Social Studies	2
SEDS 460: Teaching Methods in Secondary Education	2
SEDS 475: Directed Teaching in High School (Social Studies/History)	12

Concentration

SHST 351 or 352: History of Africa	3
SHST 356: History of China	
or 357: History of India	
or 358: History of Japan	3
SHST 402, 403, or 404: U.S. History to 1877	3
SHST 405, 406, 407, or 461: U.S. History since 1877	3
European History (two countries represented)	6
SGEG 103: Introduction to Geography	
or 121: Principles of Regional Geography	3-4
SECO 221: Principles of Macroeconomics	
or 222: Principles of Microeconomics	3
SANT 102: Understanding other Cultures	
or SSOC 355: Minority Group Relations	3
History or Government and International Studies elective	3

Support Courses

SHED 221: Personal and Community Health	3
SEGL 275: Masterpieces of World Literature	
or 276: Masterpieces of World Literature II	3
SMUS 110: Introduction to Music	3
Foreign language (required for Bachelor of Arts only)	6-8

Electives

Electives	0-3
Total hours required for Bachelor of Science	128
Total hours required for Bachelor of Arts	131-136

Bachelor of Arts or Science Major in Secondary Education (Social Studies/Political Science)

General Education Requirements

I. Communication	
English 101 and 102, or 146 ¹	6
Theatre and Speech 140	3
II. Mathematics	
Mathematics 120 or higher level mathematics	3
Mathematics 201, Psychology 225, or Sociology 220	3
III. Arts and Humanities	
Art history	3
English literature	3
History 111	3
IV. Social and Behavioral Sciences	
Government and International Studies 201	3
Sociology 101	3
Psychology 101	3
V. Natural Sciences	
Biology 110	4
Physical science elective (geology, chemistry, or physics)	4
VI. Foreign Culture	
History 112	3
VII. Computer Studies	
Computer Science 130	2
Education Curriculum and Instruction 120	1
VIII. Senior Seminar: see directed teaching	

Professional Education

SEDF 210: Introduction to Education	2
SEDF 321: Dynamics of American Education	2
SEDF 333, 333L: Introduction to Child Psychology and Development	3
SEDF 334, 334L: Introduction to Adolescent and Adult Psychology and Development	3
SEDF 341: Education Procedures for Exceptional Children	3
SEDF 485: Classroom Management	2
SEDF 486: Measurement and Evaluation in Education	1
SEDR 418: Reading in the Secondary Schools	3

1 Six hours of credit are awarded with a minimum grade of C in English 146.

SEDS 400: Resources for Teaching	1
SEDS 410: Secondary School Practicum	1
SEDS 441: Secondary School Curriculum	2
SEDS 447: Teaching School Social Studies	2
SEDS 460: Teaching Methods in Secondary Education	2
SEDS 475: Directed Teaching in High School (Social Studies/ Political Science)	12
Concentration	
SGIS 301: Introduction to Political Science	3
SGIS 310: International Politics	3
SGIS 364: State and Local Government	3
SGIS 320: Comparative Politics or 401: History of Political Thought	3
SGIS 385: American Political Thought or 550: Constitutional Law or 551: Civil Rights and Civil Liberties	3
SECO 221: Principles of Macroeconomics or 222: Principles of Microeconomics	3
SANT 102: Understanding other Cultures or SSOC 355: Minority Group Relations	3
SGEG 103: Introduction to Geography or 121: Principles of Regional Geography	3-4
SHST 402, 403, or 404: U.S. History to 1877	3
SHST 405, 406, 407, or 461: U.S. History since 1877	3
Support Courses	
SHED 221: Personal and Community Health	3
SEGL 275: Masterpieces of World Literature or 276: Masterpieces of World Literature II	3
SMUS 110: Introduction to Music	3
Foreign language (required for Bachelor of Arts only)	6-8
Electives	0-3
Total hours required for Bachelor of Science	128
Total hours required for Bachelor of Arts	131-136

**Bachelor of Science
Major in Physical Education**

General Education Requirements

I. Communication		
English 101 and 102, or 146 ¹		6
Theatre and Speech 140		3
II. Mathematics		
Mathematics 120 or higher level mathematics		3
Mathematics 201, Psychology 225, or Sociology 220		3
III. Arts and Humanities		
Art history or Music History and Literature 110		3
English literature		3
History 101, 102, or 111		3
IV. Social and Behavioral Sciences		
Government and International Studies 201		3
Psychology 101		3
Social and behavioral sciences elective		3
V. Natural Sciences		
Biology 110		4
Physical science elective (geology, chemistry, or physics)		4
VI. Foreign Culture		
English 275, 276, or History 112		3
VII. Computer Studies		
Computer Science 130		2
Education Curriculum and Instruction 120		1
VIII. Senior Seminar: see directed teaching		

Professional Education

SEDF 210: Introduction to Education	2
SEDF 485: Classroom Management	2
SEDR 418: Reading in the Secondary Schools	3
SEDS 441: Secondary School Curriculum	2

Major	
SPED 101: Introduction to Physical Education	3
SPED 201: Teaching of Physical Education	3
SPED 315: Physical Education for the Elementary Teacher	2

1 Six hours of credit are awarded with a minimum grade of C in English 146.

SPED 320: Individual and Dual Sports	2
SPED 330: Folk, Square, and Social Dance	2
SPED 350: Gymnastics and Tumbling	2
SPED 360: Team Sports	2
SPED 400: Exercise Physiology	3
SPED 402: Biomechanics	3
SPED 545: Measurement and Evaluation of Physical Education	3
SPED 553: Organization and Administration of Physical Education	3
SPED 562: Physical Education for the Exceptional Child	3
Physical education elective	3
Physical education activity courses	4
SPED 479: Directed Teaching in Physical Education	12
Support Courses	
SBIO 232: Anatomy	4
SBIO 242: Physiology	4
SHED 221: Personal and Community Health	3
SHED 331: Health Education for Elementary School Child	2
SHED 170: First Aid	2
SPED 270: Introduction to Athletic Training	2
SPSY 302: Developmental Psychology	3
Electives	2
Total hours required	128

School of Humanities and Sciences



The School of Humanities and Sciences consists of four academic divisions: Fine Arts, Languages, and Literature; Mathematics and Computer Science; Natural Sciences and Engineering; and Social and Behavioral Sciences. The school also offers the bachelor of arts and the bachelor of science in interdisciplinary studies. The School of Humanities and Sciences, as the cornerstone of the University of South Carolina at Spartanburg, provides curricula for the general education requirements and for diverse liberal arts and sciences majors. Consistent with the university's mission, the school provides opportunities for students to

- acquire proficiency in communications and mathematics,
- develop the ability to reason, critically and ethically,
- obtain historical, scientific, social, and cultural perspectives,
- attain a high level of scholarship in the humanities and sciences degree programs,
- regard learning as a continuing process of intellectual growth.

Enrichment programs resulting from these educational endeavors benefit the intellectual and cultural life of the entire community.

Division of Fine Arts, Languages, and Literature

The Division of Fine Arts, Languages, and Literature in the School of Humanities and Sciences offers a Bachelor of Arts degree with a major in English. A journalism concentration is offered in the English major. Courses are offered in art, French, German, Japanese, journalism, music, Spanish, theatre and speech.

Specific degree requirements for the English major include a 12-semester hour cognate. The cognate consists of upper-level courses chosen from one or more fields and is intended to support the course work in the major. All courses taken for cognate credit must be approved by the English faculty.

Bachelor of Arts Major in English

General Education Courses

I.	Communication	
	English 101 and 102, or 146 ¹	6
	Theatre and Speech 140	3
II.	Mathematics	
	Mathematics 120 (or higher)	3
	Another mathematics course (above 121) or Logic 205, 206, or 207	3
III.	Arts and Humanities	
	Fine arts	3
	History 101, 102, 111, or 112	3
	One course selected from the following (but not more than 3 hours in a single discipline in the fine arts):	3
	American literature; art; English literature, linguistics, or literary theory; history; literature in a foreign language; music; philosophy; religion; theatre; world literature	
IV.	Social and Behavioral Sciences	
	Government and International Studies 201	3
	Two courses selected from the following with two disciplines represented: Anthropology; Economics 221, 222; Geography 103; government and international studies; psychology (except 225); sociology (except 220)	6

1 Six hours of credit are awarded with a minimum grade of C in English 146.

V. Natural Sciences	
Two courses, including at least one laboratory course, to be selected from one or more of the following:	7-8
Astronomy; biology; chemistry; Geography 201, 202; geology; physics	
VI. Foreign Culture	
Foreign language 101	4
VII. Computer Studies	3
This requirement may be fulfilled in one of the following three ways:	
Computer Science 130 and 131 or 137, a computer science numbered 140 or above, or Engineering 101 and 102	
VIII. Senior Seminar: see major requirements	
Major Requirements¹	
English courses at the 300-level or higher, which must include the following:	
English literature (at least one course from 400-410)	6
American literature	6
Linguistics or development of the language	3
Comparative literature, criticism, period or genre course, or creative writing (with consent of advisor) ²	9-18
Senior Seminar (English 490)	3
Cognate (with approval of advisor)	12
Supporting Courses	
Additional history course to complete History 101-102 or History 111-112 sequence	3
Foreign language ¹ 102 or 121 ³ , plus 201, 202, or 210	7
Two courses selected from among the following:	6
American literature; art; English literature, linguistics, or literary theory; history; literature in a foreign language; music; philosophy; religion; theatre; world literature	
Electives	8-18
Total hours required	120

1 A minimum grade of C is required.

2 Students desiring a concentration in journalism may substitute a minimum of 12 hours of approved journalism courses.

3 Eight hours of credit are awarded with a minimum grade of C in foreign language 121.

**Division of Mathematics
and
Computer Science**

The Division of Mathematics and Computer Science in the School of Humanities and Sciences offers the Bachelor of Science degree in mathematics and the Bachelor of Arts and Bachelor of Science degrees in computer science.

**Bachelor of Science
Major in Mathematics**

General Education Requirements

I.	Communication	
	English 101 and 102, or 146 ¹	6
	Theatre and Speech 140	3
II.	Mathematics²	
	Mathematics 141, 142	8
III.	Arts and Humanities	
	Fine arts	3
	History 101, 102, 111, or 112	3
	One course selected from the following (but not more than 3 hours in a single discipline in the fine arts):	3
	American literature; art; English literature, linguistics, or literary theory; history; literature in a foreign language; music; philosophy; religion; theatre; world literature	
IV.	Social and Behavioral Sciences	
	Government and International Studies 201	3
	Two courses selected from the following with two disciplines represented:	6
	Anthropology; Economics 221, 222; Geography 103; government and international studies; psychology (except 225); sociology (except 220)	
V.	Natural Sciences	
	Biology 101, 102; or Chemistry 111, 112; or Physics 211, 212	8

1 Six hours of credit are awarded with a minimum grade of C in English 146.
2 A minimum grade of C is required.

VI.	Foreign Culture		
	Foreign language 101	. . . . .	4
VII.	Computer Studies ¹		
	Computer Science 140	. . . . .	3
VIII.	Senior Seminar: see major requirements		
	Major Requirements ¹		
	Mathematics 512: Probability and Statistics	. . . . .	3
	Mathematics 543: Algebraic Structures I	. . . . .	3
	Mathematics 544: Applied Linear Algebra	. . . . .	3
	Mathematics 554: Real Analysis I	. . . . .	3
	Mathematics 555: Real Analysis II	. . . . .	3
	Mathematics 599: Seminar in Mathematics	. . . . .	3
	Three courses selected from the following:	. . . . .	9
	Mathematics 350: Mathematical Structures and Proof		
	Mathematics 516: Statistical Methods II		
	Mathematics 520: Differential Equations II		
	Mathematics 531: Foundations of Geometry		
	Mathematics 534: Topology		
	Mathematics 550: Discrete Mathematics for Computer Science		
	Mathematics 552: Complex Variables		
	Mathematics 598: Topics in Mathematics		
	Cognate		
	Computer Science 210 or higher	. . . . .	3
	Computer Science 560	. . . . .	3
	Two additional courses selected with the approval of advisor	. . . . .	6
	Supporting Courses		
	Foreign language 102 or 121 ²	. . . . .	4
	Computer Science 240 ¹	. . . . .	3
	Mathematics 198 ¹ : Seminar in Strategies of Problem Solving	. . . . .	1
	Mathematics 241 ¹ : Multivariable Calculus	. . . . .	4
	Mathematics 242 ¹ : Elementary Differential Equations	. . . . .	3
	Electives	. . . . .	16
	Total hours required	. . . . .	120

1 A minimum grade of C is required.

2 Eight hours of credit are awarded with a minimum grade of C in foreign language 121.

**Bachelor of Science
Major in Computer Science**

General Education Requirements

I. Communication	
English 101 and 102, or 146 ¹	6
Theatre and Speech 140	3
II. Mathematics²	
Mathematics 125 (or equivalent or higher), Logic 207, 208	3-4
Mathematics 174	3
III. Arts and Humanities	
Fine arts	3
History 101, 102, 111, 112	3
Philosophy 310 or 311	3
IV. Social and Behavioral Sciences	
Government and International Studies 201	3
Two courses selected from the following with two disciplines represented: Anthropology; Economics 221, 222; Geography 103; government and international studies; psychology (except 225); sociology (except 220)	6
V. Natural Sciences	
Two courses, including at least one laboratory course, to be selected from the following: Astronomy, biology, chemistry, geology, or physics	7-8
VI. Foreign Culture	
One course from among the following: Anthropology 102; art; Economics 503; English 275, 276, 290, 319, 322, 423; Geography 121, 212, 340; Government and International Studies 310, 447, 491; History 112, 317, 318, 321, 341, 344, 351, 352, 356, 357, 358, 365; or any foreign language (except 103)	3-4
VII. Computer Studies²	
Computer Science 140	3
VIII. Senior Seminar²	
Computer Science 599: Senior Seminar	3

1 Six hours of credit are awarded with a minimum grade of C in English 146.
2 A minimum grade of C is required.

Major Requirements¹

Computer Science 240: Introduction to Algorithmic Design II	3
Computer Science 210: Assembler Language Programming I	3
One of the following three courses:	3
Computer Science 232: COBOL Programming	
Computer Science 233: FORTRAN Programming	
Computer Science 234: PL/I Programming	
One of the following three courses:	3
Computer Science 235: Pascal Programming	
Computer Science 236: C Programming	
Computer Science 237: Ada Programming	
Computer Science 310: Introduction to Computer Architecture	3
Computer Science 320: Information Structures	3
Computer Science 420: File Management	3
Computer Science 511: Operating Systems	3
Computer Science 530: Programming Language Structures	3
Computer Science 540: Advanced Program Design	3
Computer Science courses 300-level or above	6

Cognate (with approval of advisor) 12

Supporting Courses¹

Mathematics 141, 142, and 315	11
Any Mathematics course 241 or higher level (except 301 or 302)	3

Electives 6-11

Total hours required 120

Bachelor of Science
Major in Computer Science

Applied Mathematics Concentration

General Education Requirements

I. Communication	
English 101 and 102, or 146 ²	6
Theatre and Speech 140	3

1 A minimum grade of C is required.
2 Six hours of credit are awarded with a minimum grade of C in English 146.

II. Mathematics¹	
Mathematics 125 (or equivalent or higher), Logic 207, 208	3-4
Mathematics 174	3
III. Arts and Humanities	
Fine arts	3
History 101, 102, 111, 112	3
Philosophy 310 or 311	3
IV. Social and Behavioral Sciences	
Government and International Studies 201	3
Two courses selected from the following with two disciplines represented: .	6
Anthropology; Economics 221, 222; Geography 103; government and international studies; psychology (except 225); sociology (except 220)	
V. Natural Sciences	
Two courses to be selected from the following:	8
Chemistry 111, 112; Physics 201 or higher	
VI. Foreign Culture	
One course from among the following:	3-4
Anthropology 102; art; Economics 503; English 275, 276, 290, 319, 322, 423; Geography 121, 212, 340; Government and International Studies 310, 447, 491; History 112, 317, 318, 321, 341, 344, 351, 352, 356, 357, 358, 365; or any foreign language (except 103)	
VII. Computer Studies¹	
Computer Science 140	3
VIII. Senior Seminar¹	
Computer Science 599 or Mathematics 599: Senior Seminar	3
Major Requirements¹	
Computer Science 240: Introduction to Algorithmic Design II	3
Computer Science 210: Assembler Language Programming I	3
One of the following three courses:	3
Computer Science 232: COBOL Programming	
Computer Science 233: FORTRAN Programming	
Computer Science 234: PL/I Programming	
One of the following three courses:	3
Computer Science 235: Pascal Programming	
Computer Science 236: C Programming	
Computer Science 237: Ada Programming	
Computer Science 310: Introduction to Computer Architecture	3

1 A minimum grade of C is required.

Computer Science 320: Information Structures	3
Computer Science courses 300-level or above	6
Cognate (with approval of advisor)	
Mathematics ¹ 544 and 560	6
Two courses selected from the following:	6
Mathematics ¹ (except 301 or 302); Business Administration 333, 334, 371, 390, 393, 477, 490, 492, 491	
Supporting Courses ¹	
Mathematics 141, 142, 241, 242, 315	18
Business Administration 225, 226	6
Electives	8-10
Total hours required	120

Bachelor of Arts Major in Computer Science

Computer Information Systems Concentration

General Education Requirements

I. Communication	
English 101 and 102, or 146 ²	6
Theatre and Speech 140	3
II. Mathematics ¹	
Mathematics 125 (or equivalent or higher), Logic 207, 208	3-4
Mathematics 174	3
III. Arts and Humanities	
Fine arts	3
History 101, 102, 111, or 112	3
Philosophy 310 or 311	3
IV. Social and Behavioral Sciences	
Government and International Studies 201	3
Economics 221	3
One course selected from one of the following:	3
Anthropology; Economics 222; Geography 103; government and international studies; psychology (except 225); sociology (except 220)	

1 A minimum grade of C is required.

2 Six hours of credit are awarded with a minimum grade of C in English 146.

V.	Natural Sciences	
	Two courses to be selected from the following:	7-8
	Astronomy, biology, chemistry, geology, physics	
VI.	Foreign Culture	
	Foreign language 101	4
VII.	Computer Studies ¹	
	Computer Science 140	3
VIII.	Senior Seminar ¹	
	Computer Science 599: Senior Seminar	3
	Major Requirements ¹	
	Computer Science 240: Introduction to Algorithmic Design II	3
	Computer Science 232: COBOL Programming	3
	Computer Science 320: Information Structures	3
	Computer Science 420: File Management	3
	Computer Science 520: Database System Design	3
	Computer Science courses 300-level or above	6
	Cognate (with approval of advisor)	
	Three additional upper level courses in one of the following fields:	9
	Business administration or English	
	Supporting Courses	
	Foreign language 102 or 121 ²	4
	Business Administration ¹ 225, 226, 390	9
	Upper level English courses ¹ (except 484, 485, 526)	9
	Mathematics ¹ 141, 201	7
	Electives	9-11
	Total hours required	120

1 A minimum grade of C is required.

2 Eight hours of credit are awarded with a minimum grade of C in foreign language 121.

Division of Natural Sciences and Engineering

The Division of Natural Sciences and Engineering, in the School of Humanities and Sciences, offers the Bachelor of Science degrees in biology and chemistry. Courses are also offered in the areas of engineering, geology, physical science, physics, and astronomy.

Bachelor of Science Major in Biology

General Education Requirements

I.	Communication	
	English 101 and 102, or 146 ¹	6
	Theatre and Speech 140	3
II.	Mathematics ²	
	Mathematics 125 (or equivalent), 141	8
III.	Arts and Humanities	
	Fine arts	3
	History 101, 102, 111, or 112	3
	One course selected from the following (but not more than 3 hours in a single discipline in the fine arts):	3
	American literature; art; English literature, linguistics, or literary theory; history; literature in a foreign language; music; philosophy; religion; theatre; world literature	
IV.	Social and Behavioral Sciences	
	Government and International Studies 201	3
	Two courses selected from the following with two disciplines represented:	6
	Anthropology; Economics 221, 222; Geography 103; government and international studies; psychology (except 225); sociology (except 220)	
V.	Natural Sciences	
	Chemistry 111, 112	8
VI.	Foreign Culture	
	Foreign language 101	4

1 Six hours of credit are awarded with a minimum grade of C in English 146.

2 The successful completion of Mathematics 141 with a minimum grade of C fulfills Group II requirements. The additional four hours are made up as electives.

VII. Computer Studies	3
This requirement may be fulfilled in one of the following three ways:	
Computer Science 130 and 131, or 137; a computer science course numbered 140 or above; or Engineering 101 and 102	
VIII. Senior Seminar: see major requirements	
Major Requirements¹	
Biology 101, 102	8
Biology (four courses at the 200-or 300-level, excluding Biology 399)	16
Biology (500-level)	8
Senior Seminar (Biology 599)	3
Cognate (with approval of advisor)	
Chemistry 331, 331L, 332, 332L	8
An additional course (Physics 201 recommended)	4
Supporting Courses	
An additional history course	3
Foreign language 102 or 121 ²	4
Mathematics 201	3
Logic 207, 208, mathematics, or computer science	3
Electives (Physics 202 recommended)	12
Total hours required	122

Bachelor of Science Major in Chemistry

General Education Requirements

I. Communication	
English 101 and 102, or 146 ³	6
Theatre and Speech 140	3
II. Mathematics	
Mathematics 141, 142	8
III. Arts and Humanities	
Fine arts	3
History 101, 102, 111, or 112	3

1 A minimum grade of C is required.

2 Eight hours of credit are awarded with a minimum grade of C in foreign language 121.

3 Six hours of credit are awarded with a minimum grade of C in English 146.

One course selected from the following (but not more than 3 hours in a single discipline in the fine arts): 3
 American literature; art; English literature, linguistics, or literary theory;
 history; literature in a foreign language; music; philosophy; religion;
 theatre; world literature

IV. Social and Behavioral Sciences

Government and International Studies 201 3
 Two courses selected from the following, with two disciplines represented: 6
 Anthropology; Economics 221, 222; government and international
 studies; Geography 103; psychology (except 225); sociology (except 220)

V. Natural Sciences¹

Chemistry 111, 112 8

VI. Foreign Culture

Foreign language 101 4

VII. Computer Studies

Computer Science 140, Engineering 101 and 102, or a computer science
 course approved by an advisor 3

VIII. Senior Seminar

Chemistry 599 3

Major Requirements¹

Chemistry 331, 332: Organic Chemistry 6
 Chemistry 331L, 332L: Organic Chemistry Laboratory 2
 Chemistry 321: Quantitative Analysis 3
 Chemistry 321L: Quantitative Analysis Laboratory 1
 Chemistry 541, 542: Physical Chemistry 6
 Chemistry 541L, 542L: Physical Chemistry Laboratory 2
 Ten hours selected from the following: 10
 Chemistry 511 (Inorganic Chemistry), 522 (Instrumental Analysis),
 530 (Spectrometric Identification of Organic Compounds),
 581 or 582 (Biochemistry), 583L (Biochemistry Laboratory),
 561 (Industrial Chemistry)

Supporting Courses

Foreign language 102 or 121² 4
 Mathematics 241 4
 Physics 201 and 202, or 211 and 212 8

1 A minimum grade of C is required.

2 Eight hours of credit are awarded with a minimum grade of C in foreign language 121.

Cognate
Upper division courses selected with advisor's approval 12

Electives
Two courses in economics are suggested 12-14
Total hours required 123-125



Division of Social and Behavioral Sciences

The Division of Social and Behavioral Sciences in the School of Humanities and Sciences offers the Bachelor of Arts in history, political science, and psychology. The Bachelor of Science is awarded in criminal justice and psychology. Courses are also offered in the areas of geography, philosophy, and public administration.

Specific degree requirements include a twelve semester hour cognate. The cognate consists of upper-level courses chosen from one or more fields and is intended to support the course work in the major. In addition to a grade of C in all major courses, a C or better must be earned in each cognate course. All courses taken for cognate credit must be approved by the faculty in the major area.

The following are specific requirements for the bachelors degree in criminal justice, history, political science, psychology, and sociology.

Bachelor of Science Major in Criminal Justice

General Education Requirements

I.	Communication	
	English 101 and 102, or 146 ¹	6
	Theatre and Speech 140	3
II.	Mathematics	
	Mathematics 120 (or higher)	3
	Logic 205 or 207	3
III.	Arts and Humanities	
	Fine arts	3
	History 101, 102, 111, or 112	3
	One course selected from the following (but not more than 3 hours in a single discipline in the fine arts):	3
	American literature; English literature, linguistics, or literary theory; history; literature in a foreign language; music; philosophy; religion; theatre; world literature	
IV.	Social and Behavioral Sciences	
	Government and International Studies 201	3
	Psychology 101	3
	Sociology 101	3

1 Six hours of credit are awarded with a minimum grade of C in English 146.

V. Natural Sciences

Two courses, including at least one laboratory course, to be selected from one or more of the following: 7-8
 Astronomy; biology; chemistry; Geography 201, 202; geology;
 or physics

VI. Foreign Culture

Any of the following: 3
 Anthropology 102; English 275, 276; Geography 121, 212, 340;
 Government and International Studies 310, 447, 491; History 112,
 317, 318, 341, 344, 351, 352, 356, 357, 358, 365; any foreign
 language course 201 or higher

VII. Computer Studies

This requirement may be fulfilled in one of the following three ways: 3
 Computer Science 130 and 131, or 137; a computer science
 numbered 140 or above; or Engineering 101 and 102

VIII. Senior Seminar: see major requirements**Major Requirements¹**

Criminal Justice 101: Introduction to Criminal Justice 3
 Criminal Justice 341: Sociology of Crime 3
 Criminal Justice 495: Criminal Justice Planning (Senior Seminar) 3
 Additional upper level criminal justice courses 18

Cognate¹ 12

Supporting Courses

Foreign language¹ 101 and 102, or 121² 8
 Economics 221 or 222 3
 Economics 291 or Mathematics 201 or Psychology 225 or Sociology 220¹ 3
 Sociology 497: Sociology Research Methods¹ 3
 Philosophy 211, 310, or 311 • 3

Electives 14-15

Total hours required 120

1 A minimum grade of C is required.

2 Eight hours of credit are awarded with a minimum grade of C in foreign language 121.

Bachelor of Arts Major in History

General Education Courses

- | | | |
|-------------|---|-------------|
| I. | Communication
English 101 and 102, or 146 ¹ 6
Theatre and Speech 140 3 | 6
3 |
| II. | Mathematics
Mathematics 120 (or higher) 3
One course selected from a higher level mathematics course, logic,
or statistics 3 | 3
3 |
| III. | Arts and Humanities²
Fine arts 3
History 101, 102, 111, 112 3
One course selected from the following (but not more than 3 hours in a single
discipline in the fine arts): 3
American literature; art; English literature, linguistics, or literary theory;
history; literature in a foreign language; music; philosophy; religion;
theatre; world literature | 3
3
3 |
| IV. | Social and Behavioral Sciences
Government and International Studies 201 3
Courses from two of the following, with two disciplines represented: . . . 6
Anthropology; Economics 221, 222; Geography 103; government and
international studies; psychology (except 225); sociology (except 220) | 3
6 |
| V. | Natural Sciences
Two courses, including at least one laboratory course, to be selected from one
or more of the following: 7-8
Astronomy; biology; chemistry; Geography 201, 202; geology; physics | 7-8 |
| VI. | Foreign Culture
Any of the following: 3
Anthropology 102; art history; English 276, 290, 322, 423, 319;
Geography 121, 212, 340; Government and International Studies
310, 447, 491; History 112, 317, 318, 321, 341, 344, 351, 352, 356,
357, 358, 365 | 3 |

1 Six hours of credit are awarded with a minimum grade of C in English 146.

2 Students are encouraged to select courses fulfilling Group III from those outside their major area of study.

VII. Computer Studies	3
This requirement may be fulfilled in one of the following three ways:	
Computer Science 130 and 131, or 137; a computer science course numbered 140	
VIII. Senior Seminar: see major requirements	
Major Requirements¹	
History courses at 300-level or higher	21
At least one course must be taken in each of the following areas:	
United States history, European history, and non-Western history.	
Senior Seminar (History 500)	3
Cognate¹	12
Supporting Courses	
Foreign language 101 and 102, or 121 ²	8
An additional foreign language course, Geography 121, Government and International Studies 320, Anthropology 102, or Economics 503	3-4
An additional 100-level history course	3
Two courses selected from the following:	6
American literature; art; English literature, linguistics, or literary theory; history; literature in a foreign language; music; philosophy; religion; theatre; world literature	
Electives	16-18
Total hours required	120

Bachelor of Arts Major in Political Science

General Education Courses

I. Communication	
English 101 and 102, or 146 ³	6
Theatre and Speech 140	3
II. Mathematics	
Mathematics 120 (or higher)	3
Logic 205, 206, or 207	3

1 A minimum grade of C is required.

2 Eight hours of credit are awarded with a minimum grade of C in foreign language 121.

3 Six hours of credit are awarded with a minimum grade of C in English 146.

- III. Arts and Humanities
- Fine arts history 3
- History 101, 102, 111, 112 3
- One course selected from the following (but not more than 3 hours in a single discipline in the fine arts): 3
- American literature; art; English literature, linguistics, or literary theory; history; literature in a foreign language; music; philosophy; religion; theatre; world literature
- IV. Social and Behavioral Sciences
- Government and International Studies 201 3
- Economics 221 3
- One course selected from among the following: 3
- Anthropology; Economics 222; Geography 103; psychology (except 225); sociology (except 220)
- V. Natural Sciences
- Two courses, including at least one laboratory course, to be selected from one or more of the following: 7-8
- Astronomy; biology; chemistry; geology; Geography 201, 202; physics
- VI. Foreign Culture
- Any of the following: 3
- Anthropology 102; art; English 276, 290, 319, 322, 423; Geography 121, 212, 340; Government and International Studies 310, 447, 491; History 112, 317, 318, 321, 341, 344, 351, 352, 356, 357, 358, 365; Sociology 305; any foreign language course 201 or higher
- VII. Computer Studies 3
- This requirement may be fulfilled in one of the following three ways:
- Computer Science 130 and 131, or 137; a computer science numbered 140 or above; or Engineering 101 and 102
- VIII. Senior seminar: see major course requirements

Government and International Studies Concentration

Major Courses ¹	
Government and International Studies 301	3
Government and International Studies 310	3
Other Government and International Studies courses at 300-level or above	21
Senior seminar	3
Cognate ¹	12

1 A minimum grade of C is required.

Supporting Courses

Psychology 225 or Sociology 220	3
An additional 100-level History course	3
Two courses selected from among the following:	6
American literature; art; English literature, linguistics, or literary theory; history; literature in a foreign language; music; philosophy; religion; theatre; world literature	
Foreign language 101 and 102, or 121 ¹	8

Electives	11-12
Total hours required	120

Public Administration Concentration

Major Courses²

Government and International Studies 301: Introduction to Political Science	3
Government and International Studies 370: Introduction to Public Administration	3
Government and International Studies 374: Introduction to Public Policy	3
Government and International Studies 364: State and Local Government	3
Government and International Studies 571: Public Financial Administration	3
Government and International Studies 572: Public Personnel Management	3
Other Government and International Studies courses at 300-level or above	9
Senior seminar	3

Cognate Requirements¹	12
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Supporting Courses

Psychology 225 or Sociology 220	3
An additional 100-level history course	3
Two courses selected from among the following:	6
American literature; art; English literature, linguistics, or literary theory; history; literature in a foreign language; music; philosophy; religion, theatre; world literature	
Foreign language 101 and 102, or 121 ²	8

Electives	11-12
Total hours required	120

1 Eight hours of credit are awarded with a minimum grade of C in foreign language 121.

2 A minimum grade of C is required.

**Bachelor of Arts and Bachelor of Science
Major in Psychology**

General Education Courses

I.	Communication	
	English 101 and 102, or 146 ¹	6
	Theatre and Speech 140	3
II.	Mathematics	
	Mathematics 120 (or higher)	3
	One course selected from higher level mathematics, logic, or statistics ²	3
III.	Arts and Humanities	
	Fine arts history	3
	History 101, 102, 111, 112	3
	One course selected from the following (but not more than 3 hours in a single discipline in the fine arts):	3
	American literature; art; English literature, linguistics, or literary theory; history; literature in a foreign language; music; philosophy; religion; theatre; world literature	
IV.	Social and Behavioral Sciences³	
	Government and International Studies 201	3
	Courses from two of the following, with two disciplines represented:	6
	Anthropology; Economics 221, 222; geography; government and international studies; psychology (except 101 and 225); sociology (except 220)	
V.	Natural Sciences	
	Two courses, including at least one laboratory course, to be selected from one or more of the following:	7-8
	Astronomy; biology; chemistry; Geography 201, 202; geology; physics	
VI.	Foreign Culture	
	History 112	3
VII.	Computer Studies	3
	This requirement may be fulfilled in one of the following three ways:	
	Computer Science 130 and 131, or 137; a computer science numbered 140 or above; or Engineering 101 and 102	

1 Six hours of credit are awarded with a minimum grade of C in English 146.

2 Psychology 225 may be used to satisfy this requirement.

3 Students are encouraged to select courses fulfilling social and behavioral sciences requirements from those outside psychology.

VIII. Senior Seminar: see major requirements**Bachelor of Arts Degree Option:**

- Two courses selected from the following: 6
 American literature; art; English literature, linguistics, or literary
 theory; history; literature in a foreign language; music; philosophy;
 religion, theatre; world literature

Bachelor of Science Degree Option:

- Two courses from Mathematics 122 or higher, Computer Science 140 or
 higher, logic, or the natural sciences (courses must be approved by
 advisor) 6

Major Requirements¹

- Psychology 101, 224, 225 10
 At least three courses of the following: 9
 Psychology 302: Developmental Psychology
 Psychology 303: Psychology of Learning & Memory
 Psychology 307: Social Psychology
 Psychology 308: Physiological Psychology
 Psychology 309: Psychology of Personality
 Psychology 310: Abnormal Psychology
 Psychology 311: Industrial and Organizational Psychology
 Elective psychology courses (Psychology 402: Experimental Topics in
 Psychology is recommended) 13
 Senior Seminar: one psychology course at the 500-level 3

Cognate¹ 12**Supporting Courses**

- Foreign language 101 and 102, or 121² 8

Electives 12-13

- Total hours required 120

1 A minimum grade of C is required.

2 Eight hours of credit are awarded with a minimum grade of C in foreign language 121.

**Bachelor of Arts
Major in Sociology**

General Education Courses

I. Communication	
English 101 and 102, or 146 ¹	6
Theatre and Speech 140	3
II. Mathematics	
Mathematics 120 (or higher)	3
One course selected from higher level mathematics, logic, or statistics ²	3
III. Arts and Humanities	
Fine arts	3
History 101, 102, 111, 112	3
One course selected from the following (but not more than 3 hours in a single discipline in the fine arts):	3
American literature; art; English literature, linguistics, or literary theory; history; literature in a foreign language; music; philosophy; religion; theatre; world literature	
IV. Social and Behavioral Sciences³	
Government and International Studies 201	3
Courses from two of the following, with two disciplines represented:	6
Anthropology; Economics 221, 222; geography; psychology (except 225); sociology (except 101 and 220)	
V. Natural Sciences	
Two courses, including at least one laboratory course, to be selected from one or more of the following:	7-8
Astronomy; biology; chemistry; Geography 201, 202; geology; physics	
VI. Foreign Culture	
Any of the following:	3
History Anthropology 102; art; Economics 503; English 275, 276, 290, 322, 319, 423; Geography 121, 212, 340; Government and International Studies 310, 447, 491; History 112, 317, 318, 321, 341, 344, 351, 352, 356, 357, 358, 365; or any foreign language course except 103	

1 Six hours of credit are awarded with a minimum grade of C in English 146.

2 Sociology 220 or Psychology 225 may not be used to satisfy this requirement.

3 Students are encouraged to select courses fulfilling social and behavioral sciences requirements from those outside sociology.

VII. Computer Studies	3-4
This requirement may be fulfilled in one of the following three ways: Computer Science 130 and 131, or 137; a computer science numbered 140 or above; or Engineering 101 and 102	
VIII. Senior Seminar: see major requirements	
Major Requirements¹	
Sociology 101: Introduction to Sociology	3
Sociology 220: Elementary Statistics for Sociologists	3
Sociology 497: Sociological Research Methods	4
Sociology 498: Sociological Theory	3
At least three of the following:	9
Sociology 300: Social Structures	
Sociology 305: Sociology of the Family	
Sociology 308: Community Organization	
Sociology 309: Introduction to Social Inequality	
Sociology 310: Social Demography	
Sociology 315: Introduction to the Study of Population	
Sociology 320: Individual and Society	
Elective sociology courses	9
Sociology 500: Senior Seminar	3
Cognate¹	12
Supporting Courses	
Foreign language ¹ 101 and 102, or 121 ²	8
Two courses selected from the following:	6
American literature; art; English literature, linguistics, or literary theory; history; literature in a foreign language; music; philosophy; religion, theatre; world literature	
Electives	13-15
Total hours required	120

1 A minimum grade of C is required.

2 Eight hours of credit are awarded with a minimum grade of C in foreign language 121.

Interdisciplinary Studies

Recognizing the growing economic and cultural diversity of the piedmont region of South Carolina, interdisciplinary studies (IDS) provides students the opportunity to concentrate in a single discipline, combine course work from two or more disciplines, or develop an individualized curriculum based on personal interests, the desire for self-improvement, career advancement, or in preparation for study in a profession such as law or medicine. Addressed is the mature student with clearly defined educational goals. Students with a variety of courses from other colleges and universities, but who fail to have adequate credits for a traditional degree, may also find opportunities in the IDS program. The program conforms to all general university academic regulations.

The interdisciplinary studies program permits students to apply credits earned through independent study toward the degree. Students may also be permitted to apply up to 30 semester hours earned in correspondence courses, the United States Armed Forces Institute, selected college level examination programs, and off-campus extension classes in partial fulfillment of the degree. Students desiring a postgraduate professional degree should note the requirements for a baccalaureate after three undergraduate years and one year of professional school outlined under the Three-Plus-One Program in this catalog.

Admission

IDS program applicants must:

- Be admitted to USCS, or be applying to USCS and have earned 30 or more semester hours in transfer.
- Have earned 30 or more semester hours at USCS and/or in transfer.¹
- Complete the IDS program application.
- If currently enrolled in another degree program at USCS, obtain a signed change of major form in the office of the academic dean or in the Freshman Center.
- Have a minimum grade point ratio of 2.0 on all courses to be considered for program admission.
- Choose a concentration option from (1) single discipline, (2) bidisciplinary, (3) multidisciplinary, or (4) individualized plan.

1 For further information on acceptable credit, see the transfer credit section in this catalog.

- Individualized program applicants must submit a 1-2 page typed statement of purpose, an indication of the grouping of courses that will be used to meet the concentration area requirements, and an approved endorsement by a faculty member.
- Submit the application to the IDS program director before the second semester of the junior year.
- Apply for single disciplinary, bidisciplinary, or multidisciplinary plans for summer or fall semester by March 1 and for spring semester by October 1.
- Apply for individualized plan by the third week of previous major semester in order to be considered at the semi-annual IDS Academic Affairs Committee meeting.¹

Applicants who fail to meet the above deadlines should expect to take courses in addition to the 120 hours required for graduation.

Bachelor of Arts and Bachelor of Science Interdisciplinary Studies

General Education Requirements

I. Communication	
English 101 and 102, or 146 ²	6
Theatre and Speech 140	3
II. Mathematics	
Mathematics 120 (or higher)	3
One course selected from a higher level mathematics course, logic, or statistics	3
III. Arts and Humanities	
Fine arts	3
History 101, 102, 111, or 112	3
One course selected from the following (but not more than 3 hours in a single discipline in the fine arts):	3
American literature; art; English literature, linguistics, or literary theory; history; literature in a foreign language; music; philosophy; religion; theatre; world literature	

- 1 Final acceptance into the individualized plan requires approval of the IDS academic affairs committee.
- 2 Six hours of credit are awarded with a minimum grade of C in English 146.

IV. Social and Behavioral Sciences
Government and International Studies 201 3
Courses from two of the following, with two disciplines represented: 6
 Anthropology; Economics 221, 222; Geography 103; government and
 international studies; psychology (except 225); sociology (except 220)

V. Natural Science
Two courses, including at least one laboratory course, to be selected from
one or more of the following: 7-8
 Astronomy; biology; chemistry; Geography 201, 202; geology; physics

VI. Foreign Culture
Any of the following: 3-4
 Anthropology 102; art; Economics 503; English 275, 276, 290, 322,
 423, 319; Geography 121, 212, 340; Government and International
 Studies 310, 447, 491; History 112, 317, 318, 321, 341, 344, 351, 352,
 356, 357, 358, 365; any foreign language course except 103

VII. Computer Studies 3
This requirement may be fulfilled in one of the following three ways:
 Computer Science 130 and 131, or 137; a computer science
 numbered 140 or above; or Engineering 101 and 102

VIII. Senior Seminar: see area of concentration requirements
Total general education requirements 46-48

Concentration¹ (25-29 hours of junior and senior level courses as outlined
in the options below)

Option 1--Single Discipline
Courses are selected from a single discipline in which USCS does not
currently offer a major, must include a methods or theory course
where required by the discipline, and must include a senior seminar
selected from an allied area and approved by an advisor; B.A. or B.S.
determined by the discipline 25-29

Option 2--Bidisciplinary
Primary discipline (must include a methods or theory course where
required by the discipline and must include a senior seminar); B.A.
or B.S. option determined by the primary discipline 15-21
Secondary discipline 8-10

1 See Academic Regulations at the end of this section.

Option 3--Multidisciplinary

Courses are selected from a single group concentration area with 3 disciplines represented. The minimum junior and senior level hour requirements for the 3 disciplines are as follows:

Primary discipline (must include a methods or theory course where required by the discipline)	12-13
Second discipline	6
Third discipline	6
Senior seminar (to be selected from one of the three areas or an interdisciplinary senior seminar from that group)	1-4

Group Concentration Areas for Option 3

Social Sciences (criminal justice, economics, geography, government, history, logic, philosophy, psychology, recreation/health, religion, sociology; B.A. degree)

Humanities (art, English, foreign language, history, journalism, logic, music, philosophy, religion, speech, theatre; B.A. degree)

Sciences and Analysis (astronomy, biology, chemistry, computer science, geology, logic, mathematics, physics, statistics; B.S. degree)

Applied Emphasis (business/economics or foundations of education would be used as one of the disciplines in conjunction with two disciplines from one of the above groups; B.A. or B.S. degree determined by the combination of disciplines selected)

Option 4--Individualized¹

A program of study which includes a methods or theory course and a senior seminar from the same area; B.A or B.S. determined by primary emphasis 25-29

Junior and Senior Level Hours² 12

Electives 31-37

Total hours required 120

1 See program admission requirements for details
2 See cognate section of this catalog and IDS program academic regulations.

Academic Regulations

- A minimum of 120 semester hours (including hours meeting the general education requirement, course grade requirement, junior and senior level hours requirement, and area of concentration requirement) must be completed with a grade point ratio of 2.0 or better.
- Course work completed prior to acceptance into the interdisciplinary studies program is not automatically accepted as part of a degree program. Such work is reevaluated to determine if it is applicable to the student's program.
- A minimum of 30 semester hours must be completed in residence at USCS after acceptance into the IDS program.
- Developmental courses, such as English 100, Mathematics 098 and 099, and General Studies 098 and 099, do not count toward the 120 hour degree requirements.
- All course work within a concentration is selected in conjunction with a faculty advisor assigned from the primary or first discipline in the concentration area. Specific required course work is listed on a program of study which is then approved by the director of the IDS program and the dean of humanities and sciences.
- All concentration hours must be junior and senior level work completed in residence at USCS.
- A minimum of 15 hours of the concentration must be taken after the completed IDS application has been received in the IDS office.
- No course may simultaneously meet the general education and concentration hour requirements.
- Technical, noncollege parallel, and military science courses may not be used to satisfy the concentration hour requirement.
- A maximum of 30 semester hours of upper and lower level courses (including transfer work) may be taken in business administration and economics (excluding Economics 221 and 222).
- Prior course work transferred from another 4-year institution may be used to fulfill the junior and senior level hours requirement.
- A minimum grade of C is required in each course used to fulfill the area of concentration requirement, the 12 hour junior and senior level requirement, and in English 101 and 102, or in English 146.

Mary Black School of Nursing

On July 1, 1980, the USCS School of Nursing was officially named the Mary Black School of Nursing. This step was taken to honor the many contributions of the Black family to medicine and nursing in upstate South Carolina and to show appreciation for the generosity of Mrs. Mary Black Phillips and the late Miss Rosa Black, whose donations played a key role in securing the funds for a new building to house the school. The School of Nursing provides the people of the Piedmont area with registered nurses of high technical and professional competence.

The School of Nursing offers an associate of science in technical nursing and a baccalaureate degree in professional nursing. Both programs are approved by the state board of nursing and accredited by the National League for Nursing. The program leading to an associate of science in technical nursing degree is two years in length and includes liberal arts and science courses as well as nursing preparation. The program leading to a Bachelor of Science in Nursing degree is four years in length and includes a broad liberal arts and science foundation in addition to nursing courses. The professional program also offers a Registered Nurse Completion track for graduates of associate degree and diploma programs in nursing.

Transfer Students

In addition to the general requirements for admission to either the associate of science in technical nursing program or the bachelor of science in professional nursing program, transfer students from within the University of South Carolina System must submit a Change of School form and copies of transcripts. Transfer students from schools outside the USC System must also meet all requirements for transfer as a student to USCS. Transfer students may be required to take advanced placement examinations if the content of previous nursing courses is in question.

An official college transcript must be on file with the School of Nursing before transfer credit can be evaluated. Transfer credit is evaluated by the dean of the Mary Black School of Nursing.

Student Classification

Regular Students. These students are admitted to a nursing program and they are currently enrolled in nursing courses.

Pre-Nursing Students. These students have been admitted to the university and are taking the required non-nursing courses and/or nursing courses open to all students or all registered nurses (in the baccalaureate nursing program) prior to applying for admission to a nursing program.

Out-of-Sequence Students. Nursing students who remain enrolled in USCS but who are no longer enrolled as regular nursing students (because of, for example, academic failure

or withdrawal from nursing) are classified as out of sequence with the regular nursing courses. To enroll again in nursing, these students must meet the School of Nursing admission criteria, reapply for admission, and submit a new physical examination on the School of Nursing form.

Advisement

Students are advised by a School of Nursing faculty advisor prior to registration. It is the responsibility of students to stay in touch with their advisor through regular advisement sessions.

Withdrawal Policy

Students who are enrolled in the School of Nursing and who wish to withdraw officially are required first to see their nursing advisor for an exit interview. After this, students follow the withdrawal policy for the university as described in this catalog.

Associate in Science Degree in Technical Nursing

The Associate in Science in Technical Nursing curriculum is a concentrated two-year program designed for men and women beginning a career in nursing. Since the Associate Degree nurse draws on a broad base of knowledge, the curriculum includes both nursing courses and courses from the humanities and the natural and behavioral sciences. The nursing courses contain both a theoretical and clinical component. The classroom experience involves lecture, discussion, and demonstration. Students must demonstrate the knowledge gained in these courses in their performance in the clinical area. The clinical experience is supervised and evaluated as a vital part of the learning process. Major emphasis is placed on the satisfactory performance of skills including drug computation. This means students must be competent in arithmetic.

Admission Requirements

A nursing class is admitted once a year in the fall semester. Applicants should submit their applications to the Mary Black School of Nursing Associate Degree Program by March 1. The admissions committee of the associate degree program in nursing reviews the records of each applicant. Admission to the program is competitive. Therefore, the admissions committee reserves the right to select the most qualified students. Admission to the program is based on the following criteria as it applies to each applicant.

To be admitted to the Associate Degree in Technical Nursing Program, students must meet the following requirements:

- Applicants must be admitted as regular students to the University of South Carolina at Spartanburg.

- Applicants under age 25 must have minimum S.A.T. scores of 350 for the verbal and 350 for the mathematics portions of the test.
- Applicants with previous college work must have a cumulative GPR of at least 2.0 on 12-semester hours of college credit, with a grade of C or better on all required nursing and science courses.
- All applicants must complete an application for the Associate of Science in Technical Nursing Program.
- All applicants must submit a complete, acceptable, physical examination on the School of Nursing form.
- Applicants without previous college work are required to take the Nelson-Denny Reading Test. Those who score at the 50th percentile or above on the test are considered for admission as a regular student. Others may repeat the Nelson-Denny Reading Test one time. Those who score at the 25th percentile to the 49th percentile may be considered for admission, but must enroll in and successfully complete General Studies 098 during the first semester. Students who score below the 25th percentile on the Nelson-Denny Reading Test must successfully complete General Studies 098 before reapplying for the program.

All policies related to admission and continuance are developed by the nursing faculty.

Provisional Students

These students require remedial instruction and therefore must show evidence of acceptable academic performance. To demonstrate acceptable academic performance, students must complete 12 hours of prescribed non-nursing courses and have a minimum cumulative GPR of 2.0. Once these requirements have been met, they may reapply to the nursing sequence.

Academic Requirements

- Nursing courses must be taken in sequence. A passing grade of C in theory and a satisfactory evaluation in clinical performance must be obtained in a nursing course before students can enroll in the next nursing course.
- Biology 232 (anatomy) must be taken before or during the fall semester of the freshman year. A passing grade of C must be obtained in the course before the student may enroll in the next nursing course.
- Biology 242 (physiology) must be taken before or during the spring semester of the freshman year. A passing grade of C must be obtained in the course before the student may enroll in the next nursing course.
- Biology 330 (microbiology) must be taken before or during the fall semester of the sophomore year. A passing grade of C must be obtained in the course before the student may enroll in the next nursing course.
- Psychology 101 must be taken before Psychology 302. Psychology 302 must be completed by the end of the fall semester of the sophomore year in nursing.

- English 101 and 102 must be completed by the fall semester of the sophomore year in nursing.
- Nursing students cannot repeat a science course more than once.

Special Requirements

- Nursing students who are in the clinical area must wear the Associate of Science in Technical Nursing uniform and must adhere to the hospital's dress code.
- Nursing students who are in the clinical area must have liability insurance.
- Students are required to provide their own transportation to and from the health agencies and the USCS campus.
- Students who have more than a twelve month absence since successful completion of a nursing course must take a placement test to determine the level of entry into the program. Students who have a thirty-six month absence since successful completion of a nursing course must repeat the entire nursing program sequence.
- Students must confer with nursing faculty advisors before dropping a course or withdrawing from the program.
- Students are allowed only one readmission to the program after the initial acceptance.
- National League for Nursing achievement tests are administered throughout the program. Students pay a fee for these tests.

Continuation Standards

For students to enroll in the sophomore level nursing courses, the following are required:

- Students must have completed freshman level nursing courses and the required science courses with a minimum grade of C and a minimum cumulative GPR of 2.0.
- Students must have an acceptable physical examination form on file prior to entering the sophomore year.
- Students must renew liability insurance coverage.
- Additional costs incurred before graduation are the graduate nurse pin and fee for the application for the state board examination.

Advanced Credit by Examination

Validation examinations for Nursing 131 and Nursing 133 are administered by the School of Nursing at specific times. Arrangements must be made with the School of Nursing for this test.

Licensed Practical Nurses must:

- Be accepted to USCS and the Associate Degree in Technical Nursing Program.

- Show current L.P.N. license to the director of the Associate Degree in Technical Nursing program.
- Pay validation examination fee and bring receipt on the day arranged by the nursing faculty.
- Pass the examination with a grade of B or better to qualify for validation credit.

Medical Corpsmen must:

- Present proof of completed formal medical armed service training program.
- Be accepted to USCS and to the Associate Degree in Technical Nursing Program.
- Pay validation examination fee and bring receipt on the day arranged by the nursing faculty.
- Pass the examination with a grade of B or better to qualify for validation credit.

Registered Nurse State Board Examination

An Associate in Science in Technical Nursing degree is awarded when students complete the curriculum requirements with a minimum cumulative grade point ratio of 2.0 and a passing grade of C or better in nursing and science courses. The graduates are eligible to file applications for the registered nurse state board examination. Each applicant shall furnish evidence satisfactory to the board that he is at least eighteen years of age, has completed at least four years of work in a high school accredited by the state board of education in the state in which the school is located or the equivalent of such work, satisfactory evidence of which must be furnished to the board, has completed a course of study in an approved nursing education program, and has met other preliminary qualification requirements as the board may prescribe. The board may deny licensure based on conduct or other misconduct.

Any applicant convicted of a crime, excluding minor traffic violations, must submit application to the board 90 days prior to the completion of the nursing program.

Housing

On-campus housing is available at the Rifle Ridge Apartments. For more information, see the section on student housing in this catalog.

Associate of Science in Technical Nursing Curriculum

Freshman year--Fall

Nursing 131: Fundamentals of Nursing	6
Biology 232: Anatomy	4
English 101: Composition	3
Psychology 101: Elementary Psychology	3

Freshman year--Spring

Nursing 133: Nursing in Health Maintenance and Family Development	8
Biology 242: Physiology	4

English 102: Composition and Literature	3
Summer Session	
Nursing 134: Introduction to Nursing in Physical and Mental Illness	3
Sophomore year--Fall	
Nursing 231: Nursing in Physical and Mental Illness I	9
Biology 330: Microbiology	4
Psychology 302: Developmental Psychology	3
Sophomore year--Spring	
Nursing 232: Nursing in Physical and Mental Illness II	9
Nursing 234: Contemporary Issues in Nursing	3
Sociology 101: Introductory Sociology or Anthropology	3
Total hours required . . . . .	.65

Bachelor of Science in Professional Nursing

The professional program leading to the Bachelor of Science in Nursing degree offers two tracks of study: (1) the four-year track for students who wish to begin a career in professional nursing; and, (2) the registered nurse completion track for graduates of associate degree and diploma programs in nursing.

The program of study is designed to provide students the opportunity to acquire knowledge and skill needed for effective professional nursing practice in a wide variety of settings, and to provide a broad educational foundation that serves as a basis for graduate study in nursing.

Admission Requirements

Applications for admission to the baccalaureate nursing program should be submitted by March 1. Students desiring to enter the four-year track should apply for admission during the spring semester of their freshman year. Students desiring to enter the registered nurse completion track should apply by March 1 of the spring semester prior to the summer or fall semester they wish to begin nursing courses. Students wishing to transfer to the baccalaureate nursing program from other institutions must have their transcripts evaluated to determine whether or not their courses are comparable to USCS courses and applicable to the program of study.

The admission requirements for the Bachelor of Science in Nursing degree are set by the nursing faculty. The program's Admission Committee reviews all applications and selects the most qualified students.

- Applicants must be admitted as regular students to the University of South Carolina at Spartanburg.

- All entering freshmen must have an S.A.T. score total of at least 350 on Mathematics and 350 on Verbal. S.A.T. scores are not required for students 25 years of age or older.
- All entering students must have a cumulative GPR of 2.3 (based on 4.0 scale) in academic courses. A minimum grade of C must be obtained in all required science courses.
- Students may repeat required science courses only once.
- Applicants must complete an application form for the Bachelor of Science Degree in Nursing Program and must submit a complete School of Nursing physical examination form by March 1 before the fall semester in which admission is desired.
- Applicants must have completed a minimum of 15 hours to include English 101, Chemistry 101, Math 121, and two other required courses in the curriculum before acceptance into the four-year track.
- Registered nurses wishing to pursue the 1-year curriculum option must complete all general education courses and supporting courses (comparable courses may be substituted with approval of the dean of the School of Nursing) before acceptance into the RN completion track.
- Registered nurse completion track applicants must be registered nurses with a current license that is in good standing.
- In addition to these requirements, a personal interview may be required.

Probationary Policy

Students with a cumulative GPR of less than 2.3 but meeting all other admission requirements are considered by the baccalaureate admissions committee for admission to the program under probationary status.

In order to be removed from probationary status, students must obtain a minimum grade of C in each course constituting the first 15 semester hours in the baccalaureate nursing curriculum at USCS. If this requirement is not met, students must withdraw from the program.

Readmission Policy

Students who interrupt the sequence of nursing courses are required to reapply to the Bachelor of Science in Nursing program. Students must reapply if they earn less than a C in a nursing or required science course, or if they withdraw from the university or baccalaureate nursing program for one fall or spring semester, or longer.

Students must complete a new Bachelor of Science in Nursing program application form and submit a new School of Nursing physical examination form. Students who apply for readmission must meet the admission criteria for the Bachelor of Science in Nursing program.

Special Requirements

- Unless otherwise stated, students are required to wear the official baccalaureate uniform while in the clinical area.
- Students must provide their own transportation to and from the health agencies and the USCS campus.
- Students must maintain professional liability insurance. Students will submit proof by August 15 of the completion of this yearly requirement.
- is recommended that all students carry health insurance.
- Students will be required to take NLN exams after selected nursing courses and at the completion of the program. Students pay the fees for these examinations.
- Students are required to have a yearly physical examination which is to be submitted by August 15 each year.
- Students are required to acquire and maintain Basic Cardiac Life Support Certification. Students will submit proof by August 15 of the completion of this yearly requirement.

Credit by Examination

College Level Examination Program (CLEP): (Junior and senior level courses cannot be validated by CLEP)

- Following general university policy, CLEP examinations may be taken to obtain up to 30 hours of credit.
- CLEP examinations are not acceptable for physiology, anatomy, chemistry, or microbiology (see Credit by Examination, in the catalog).
- Further information on CLEP credit may be obtained from the Counseling and Career Development Center.

NLN Mobility Profile II:

- Students admitted to the registered nurse completion track may obtain credit for nursing courses by successfully completing the NLN Mobility Profile II examinations. Examinations are offered for Nursing 201, 202, 241, 241L, 331, 331L, 341, 341L, 441, and 441L.
- Further information on NLN MPII credit may be obtained from the Counseling and Career Development Center.

Institutional Credit by Examination

- Students may obtain credit for physiology, anatomy, microbiology, chemistry, and other courses by examination.
- Students admitted to the registered nurse completion track may obtain credit for the nursing appraisal course and its corequisite practicum by successfully complet-

ing the required theory and clinical performance examinations. Validation examinations are offered for Nursing 210 and 210L.

- License practical nurses may obtain credit for the nutrition, pharmacology, and strategies for nursing action I course and its corequisite practicum by successfully completing the required theory and clinical performance examinations. Validation examinations are offered for Nursing 201, 202, 241 and 241L.
- For further information refer to the section on institutional credit by examination in this catalog.

Continuation Standards

- Nursing courses must be taken in sequence.
- A grade of C or better must be obtained in nursing, concurrent nursing laboratory practicum, and required science courses in order to progress in the program. Students must reapply if they earn less than a C in a nursing or required science course, or if they withdraw from the university or baccalaureate nursing courses for one fall or spring semester, or longer.
- Students who earn less than a C in a clinical nursing course and/or practicum who are readmitted must repeat that course before enrolling in any subsequent clinical nursing course and/or practicum. Students who do not have a 2.3 grade point average may not be readmitted. Student readmission may be denied based on limitations on enrollment for the course needed.
- Students may repeat a nursing course, nursing practicum and required science course only once.
- Students are required to achieve 90% accuracy on the pharmacology/drug calculation exam before beginning 400 level nursing courses.
- Non-nursing courses may be taken prior to, or concurrent with, the designated nursing courses.
- The required nursing courses must be completed in four years.
- In keeping with university policy, a GPR of 2.0 is required for graduation.

National Council Licensure Examination--Registered Nurse

Upon successful completion of the four-year track, graduates will be eligible to apply to write the National Council Licensure Examination (NCLEX-RN) for licensure as a registered nurse.

Each applicant shall furnish evidence satisfactory to the board that he is at least eighteen years of age, has completed at least four years of work in a high school accredited by the state board of education in the state in which the school is located or the equivalent of such work, satisfactory evidence of which must be furnished to the board, has completed a course of study in an approved nursing education program, and has met other

preliminary qualification requirements as the board may prescribe. The board may deny licensure based on conduct or other misconduct.

Any applicant convicted of a crime, excluding minor traffic violations, must submit application to the board 90 days prior to the completion of the nursing program.

Bachelor of Science in Professional Nursing Curriculum

General Education Requirements

I. Communication	
English 101 and 102, or 146 ¹	6
Theatre 140	3
II. Mathematics	
Mathematics 120(or higher)	3
Mathematics 201 or Psychological Statistics 225 or Sociology 220	3
III. Arts and Humanities	
Fine Arts	3
History 101, 102, 111 or 112	3
One course selected from the following (but not more than 3 hours in a single discipline in the fine arts):	3
American literature; art; English literature, linguistics, or literary theory; history; literature in a foreign language; music; philosophy; religion; theatre; world literature	
IV. Social and Behavioral Sciences	
Government and International Studies 201	3
Psychology 101	3
Sociology 101	3
V. Natural Science	
Chemistry 101	4
Chemistry 102	4
VI. Foreign Culture	
Anthropology 102; art; English 276, 290, 322, 423, 319; Geography 121, 212, 340; Government and International Studies 310, 447, 491; History 112, 317, 318, 321, 341, 344, 351, 352, 356, 357, 358, 365; Sociology 305; or any foreign language course except 103	3-4
VII. Computer Studies	
This requirement may be fulfilled in one of the following three ways:	3
Computer Science 130 and 131 or 137, a computer science numbered 140 or above, or Engineering 101 and 102	

1 Six hours of credit are awarded with a minimum grade of C in English 146.

VIII. Senior Seminar

A course or combination of courses (1 or more credit hours) selected in consultation with the student's major advisor 2

Major Requirements

Major Courses

SBSN 201: Normal Nutrition	3
SBSN 202: Pharmacology	3
SBSN 210: Nursing Appraisal	2
SBSN 210L: Nursing Appraisal Practicum	1
SBSN 241: Strategies for Nursing Action I	3
SBSN 241L: Strategies for Nursing Action I Practicum	3
SBSN 321: Concepts of Professional Nursing	3
SBSN 331: Strategies for Nursing Action II	3
SBSN 331L: Strategies for Nursing Action II Practicum	3
SBSN 341: Strategies for Nursing Action III	3
SBSN 341L: Strategies for Nursing Action III Practicum	3
SBSN 390: Seminar in Self Perception	3
SBSN 431: Strategies for Nursing Action IV	3
SBSN 431L: Strategies for Nursing Action IV Practicum	3
SBSN 441: Dynamics of Psychiatric Community Mental Health Nursing	3
SBSN 441L: Dynamics of Psychiatric Community Mental Health Nursing Practicum	3
SBSN 450: Leadership in Nursing Practice	3
SBSN 461: Dynamics of Family and Community Health Nursing	3
SBSN 461L: Dynamics of Family and Community Health Nursing Practicum	4
SBSN 490: Nursing Practice--Search and Research	3

Supporting Courses

Psychology 302	3
Biology 232, 242, 330, 370	15

Electives¹ 3

Total hours required² 125

1 Electives are any credit course at the 101- level or above, taught on this campus, or any course other than one that is required, transferred with acceptable credit. General studies courses, university courses, and 100-level courses are not acceptable as electives. Registered nurses who complete successfully the NLN Mobility Profile II tests for advanced placement in nursing courses, must take SBSN 321.

2 Some courses require a grade of C or better. For information, students should contact their advisor.

Bachelor of Science in Nursing Suggested Course Sequence Outline

Freshman year--Fall	
English 101	3
Psychology 101	3
History 101, 102, 111, or 112	3
Chemistry 101	4
Mathematics 120	3
Semester total	16
Freshman year--Spring	
English 102	3
Sociology 101	3
One course selected from the fine arts	3
Chemistry 102	4
Computer Science 130	2
Course(s) selected from computer studies	1-2
Semester total	16-17
Sophomore year--Fall	
Biology 232	4
Theatre 140	3
Government 201	3
Nursing 201	3
Nursing 202	3
Semester total	16
Sophomore year--Spring	
Biology 242	4
Psychology 302	3
Nursing 210	2
Nursing 210L	1
Nursing 241	3
Nursing 241L	3
Semester total	16
Junior year--Fall	
Biology 330	4
One course selected from foreign culture category	3
One course selected from fine arts and humanities	3
Nursing 331	3
Nursing 331L	3
Semester total	16
Junior year--Spring	
Biology 370	3
Mathematics 201, or Sociology 220, or Psychology 225	3
Nursing 341	3
Nursing 341L	3
Nursing 390	3
Semester total	15

Senior year--Fall		
Nursing 431	. . . . .	3
Nursing 431L	. . . . .	3
Nursing 441	. . . . .	3
Nursing 441L	. . . . .	3
Nursing 450	. . . . .	3
Semester total	. . . . .	15
Senior year--Spring		
Nursing 461	. . . . .	3
Nursing 461L	. . . . .	4
Nursing 490	. . . . .	3
Elective	. . . . .	3
Senior Seminar	. . . . .	2
Semester total	. . . . .	15
Total hours	. . . . .	125

Course sequencing is required for most courses. See your faculty advisor for assistance in planning course schedules.

Curriculum Option for Registered Nurses

The registered nurse completion track is designed for graduates of associate degree and diploma programs in nursing. It is comprised of courses in nursing, sciences, and liberal arts.

Advanced placement opportunities are available and are encouraged, for registered nurses who wish to pursue the baccalaureate degree in nursing. Graduates of diploma nursing programs may earn up to 30 semester hours for nursing courses through successful completion of the NLN Mobility Profile II tests. Registered nurses who are graduates of accredited associate degree nursing programs may transfer up to 18 semester hours of nursing credit and may earn an additional 12 semester hours for nursing courses through successful completion of selected NLN Mobility Profile II tests. Advanced placement credit will be awarded upon successful completion of SBSN 321: Concepts of Professional Nursing. One repeat examination is allowed. Some general education and supporting courses may be exempt by successfully passing AP, CLEP, or challenge examinations prepared at USCS (see Credit by Examination). All examinations are to be completed prior to completion of SBSN 321.

All policies related to the bachelor of science in professional nursing program apply to the registered nurse completion track unless specifically identified as four-year track policies.

Registered nurses who have completed successfully the general education and supporting courses, the NLN Mobility Profile II tests, and who have met the admission requirements, may complete the program in one calendar year of study as outlined in the course sequence outline. Part-time study will require a longer period of time.

Course Sequence Outline:

Summer I	
Nursing 210	2
Nursing 210L	1
Semester total	3
Summer II	
Nursing 390	3
Nursing 321	3
Semester total	6
Fall	
Nursing 431	3
Nursing 431L	3
Nursing 450	3
Semester total	9
Spring	
Nursing 461	3
Nursing 461L	4
Nursing 490	3
Nursing 499	2
Semester total	12

Course Descriptions

Descriptions

Descriptions of all courses offered for undergraduate credit are arranged alphabetically by academic discipline on the following pages. Not all courses are available every term. A schedule of classes is printed before the registration period for each term as an announcement of course offerings. Students are advised to consult these schedules prior to registration. The university reserves the right to withdraw any course on the grounds of insufficient enrollment.

Course Numbering

USCS courses numbered from 001 to 599 may be taken for undergraduate credit. The following distinctions are made among course numbers:

001-100 Developmental courses. Credit earned cannot be applied to degree programs.

101-299 Lower division courses primarily for students with freshman and sophomore standing.

300-499 Upper division courses primarily for students with junior and senior standing.

400-599 Upper division courses primarily for students with senior standing.

With consent of the advisor, a student may take courses numbered above or below the level normally taken by their academic classification (freshman, sophomore, junior, or senior).

Course Credit

The credit value of each course is usually determined by the number of class meetings per week for one semester. Two or three laboratory hours (one period) are equivalent to one class meeting. The semester hour credit for each course is included in each course description.

Anthropology (SANT)

102. Understanding Other Cultures (3) Introduction to the concepts, methods, and data of socio-cultural anthropology and anthropological linguistics.

Art

Art Education (SAED)

329. Art for Elementary Schools (2) The teaching of art with major emphasis on studio experience.

Art History (SATH)

101. Methodology of Art History (3) Formal, historical, and iconographic analysis of architectural monuments, paintings and sculpture; aspects of various theories of art and architecture.

105, 106. History of Western Art (3,3) Paleolithic times to the present.

200. History of Interiors (3) Special attention to period styles.

205, 206. History of American Art (3,3) Colonial times to 1860 and 1860 to the present.

207. History of Twentieth Century Art (3) Survey of western architecture, painting, and sculpture.

307. Interpreting Art (3) A systematic approach to analytical viewing, discussing, and writing about art in order to derive pleasure, meaning, and value. Popular, utilitarian and historical works of art will be critiqued. Prerequisite: English 102 or consent of instructor.

399. Independent Study (3) Design and development of research projects of a complex and extensive nature.

Art Studio (SART)

103. Fundamentals of Art (3) Two-dimensional design, color, and drawing.

104. Fundamentals of Art (3) Three-dimensional design.

107. Color and Composition (3) Color, color theory, and compositional systems.

111, 112. Drawing I & II (3,3) Materials and techniques of drawing. Prerequisite for 111: Art Studio 103 or consent of instructor. Prerequisite for 112: Art Studio 111 or consent of instructor.

201. Advertising Design (3) Design as applied to advertising art. Prerequisite: Art Studio 103 or consent of instructor.

202. Ceramics (3) Process of forming, decorating, glazing, and firing. Prerequisite: Art Studio 104 or consent of instructor.

205. Computer Art I (3) A technical approach to creating raster images using computer graphics. Projects emphasize illustration and two-dimensional design.

207. Printmaking (3) Processes and techniques of printmaking. Prerequisite: Art Studio 103 or consent of instructor.

208. Introduction to Sculpture (3) Materials and techniques of sculpture. Prerequisite: Art Studio 104 or consent of instructor.

211. Introduction to Painting (3) Materials and techniques of painting. Prerequisite: Art Studio 103 or consent of instructor.

- 229. Introduction to Crafts (3)** Traditional craft media: techniques, design, and contemporary concepts.
- 231. Introduction to Life Drawing (3)** Emphasis on visual perception and basic drawing skills. Drawing from the live model in a variety of media. Prerequisite: Art Studio 112 or consent of instructor.
- 241. Interior Design (3)** Emphasis on architectural drafting.
- 249. Introduction to Fiber Arts (3)** Concepts and techniques in weaving, spinning, felting, warping, and latch hooking. Prerequisite: Art Studio 104 or consent of instructor.
- 261. Photography (3)** Techniques and procedures of photography, including processing.
- 291. Video Art: Theory and Practice (3)** Television as an artistic and communications medium.
- 301, 302. Intermediate Advertising Design I & II (3,3)** Color, design, typography, advertising principles and purposes, layout, lettering and type; the processes of reproduction and printing; and preparation of roughs and comprehensives. Prerequisite for Art Studio 301: Art Studio 201 or consent of instructor. Prerequisite for Art Studio 302: Art Studio 301.
- 303. Illustration (3)** Contemporary ideas and methods in editorial, industrial, interior, and advertising design. Prerequisite: Art Studio 201.
- 305. Computer Graphics II (3)** Utilization of advanced scanning and animation software for the creation of raster images. Projects emphasize graphic design and illustration. Prerequisite: Art Studio 205.
- 311, 312. Intermediate Painting I & II (3,3)** Individual creative expression. Prerequisite for 311: Art Studio 211 or consent of instructor. Prerequisite for 312: Art Studio 311.
- 321, 322. Intermediate Ceramics I & II (3,3)** Ceramic processes and techniques, technical investigation in clay bodies and glazes, emphasis on the wheel throwing technique. Prerequisite for 321: Art Studio 202 or consent of instructor. Prerequisite for 322: Art Studio 321.
- 331, 332. Advanced Drawing I & II (3,3)** Methods and materials of graphic representation and expression with emphasis on individual creative expression. Prerequisite for 331: Art Studio 112. Prerequisite for 332: Art Studio 331.
- 339. Introduction to Metalsmithing (3)** Design and construction of objects in various metals and materials. Prerequisite: Art Studio 104 or consent of instructor.
- 349. Intermediate Fiber Arts (3)** Concepts and techniques in surface design, batik, dyeing, caning, and screen printing. Prerequisite: Art Studio 249 or consent of instructor.
- 361. Photography II (3)** Technical, historical, and aesthetic aspects of photography. Projects allow the development of personal imagery and technique. Prerequisite: Art Studio 261.
- 362. Photography II (3)** An historic and critical approach to photography. Several major projects utilize traditional or alternative techniques. Prerequisites: Art Studio 361.

371, 372. Intermediate Printmaking I & II (3,3) Intaglio, lithography, block printing, and the execution of original works in these media. Prerequisite for 371: Art Studio 271. Prerequisite for 372: Art Studio 371.

381, 382. Intermediate Sculpture I & II (3,3) Exploration and application of three-dimensional principles in different sculptural media. Prerequisite for 381: Art Studio 208 or consent of instructor. Prerequisite for 382: Art Studio 381

399. Independent Study (3-9) Opportunities to design and develop projects of a complex and extensive nature in keeping with the student's major creative interests. Prerequisite: consent of instructor and division chair.

411, 412. Advanced Painting I & II (3,3) Individual projects. Prerequisite for 411: Art Studio 312. Prerequisite for 412: Art Studio 411

421, 422. Advanced Ceramics I & II (3,3) Ceramic works of art. Prerequisite for 421: Art Studio 322. Prerequisite for 422: Art Studio 421.

471, 472. Advanced Printmaking I & II (3,3) Process and materials for making fine prints. Prerequisite for 471: Art Studio 372. Prerequisite for 472: Art Studio 471.

481, 482. Advanced Sculpture I & II (3,3) Advanced processes and materials of sculpture. Prerequisite for 481: Art Studio 382. Prerequisite for 482: Art Studio 481.

507. Problems in Art: Studio (3) Exploration of problems unique to certain media or processes. Prerequisite: consent of instructor or division chair.

Astronomy (SAST)

111. Descriptive Astronomy (3) The universe: physical processes and methods of study. (Astronomy 111 Laboratory is available for additional credit).

111L. Descriptive Astronomy Laboratory (1) Demonstrations, exercises, and night viewings. Three hours per week.

Biology (SBIO)

101. Biological Science I (4) Biological principles underlying cell chemistry, cell biology, classification, plant diversity, plant anatomy, and physiology. Designed for science majors. Three class and three laboratory hours per week.

102. Biological Science II (4) Biological principles underlying cell origins, genetics, diversity of monera, protista, and animals; mammalian anatomy and physiology. Prerequisite: Biology 101. Designed for science majors. Three class and three laboratory hours per week.

110. General Biology (4) Current principles of cell biology, biochemistry, genetics, reproduction, development, and plant and animal diversity, as well as societal concerns. Three class and three laboratory hours per week.

232. Human Anatomy (4) Gross and microscopic structure of the systems of the human body including essential technical terminology. Three class and three laboratory hours per week.

240. Human Physiology and Society (3) Fundamentals of functional human biology; development of a relevant knowledge of medical problems and concerns in contemporary society such as obesity, malnutrition, cancer, emphysema, organ transplants, and cardiovascular disease. Not for major credit.

242. Human Physiology (4) Functions of systems of the body emphasizing homeostasis, biochemistry and control mechanisms. Three class and three laboratory hours per week. Prerequisite: Biology 232 or consent of instructor.

270. Environmental Science (3) The interrelationship of humans and their environment emphasizing the impact of pollution on human health. (Biology 270 Laboratory is available for additional credit.)

270L. Environmental Science Laboratory (1) Laboratory procedures used to monitor air and water quality. Prerequisite or corequisite: Biology 270.

310. Invertebrate Zoology (4) Phylogenetic and comparative aspects of anatomy, physiology, ecology, reproduction and embryology of the invertebrates. Three class and three laboratory hours per week. Prerequisites: Biology 101 and 102 or consent of instructor.

315. Comparative Vertebrate Anatomy (4) Phylogenetic and comparative aspects of structure, development, and evolution. Three class and three laboratory hours per week. Prerequisites: Biology 101 and 102 or consent of instructor.

320. General Botany (4) Phylogenetic survey of the morphology, anatomy, and taxonomy of the major plant divisions. Three lecture and three laboratory hours per week. Prerequisites: Biology 101 and 102 or consent of instructor.

330. Microbiology (4) Introduction to bacteria and viruses, emphasizing morphology, pathogenic microbes, antigen-antibody relationships, and antimicrobial agents in chemotherapy. Three class and three laboratory hours per week. Prerequisites: eight hours of biological science or consent of instructor.

340. Cell Biology (4) Morphology, ultrastructure and biochemistry of living cells; processes of bioenergetics, metabolism, reproduction, and differentiation. Three class and three laboratory hours per week. Prerequisites: eight hours of biological science and eight hours of chemistry.

350. Genetics (4) Basic principles of transmission, molecular, and population genetics. Three class and three laboratory hours per week. Prerequisites: Biology 101 and 102 or consent of instructor.

370. Pathophysiology (3) Disruptions of normal physiology, processes that bring about disruptions, and manifestations of disruptions. Prerequisites: Biology 232, 242 and 330 or consent of instructor.

380. Plant Geography (4) The distribution of plant species and the ecological, biological and geographic phenomena controlling such patterning. Labs consist of a series of weekend field trips. Prerequisites: Biology 101 and 102 or consent of instructor.

398. Special Topics in Biology (1-3) Intensive study in selected areas. Individual topics are announced. Prerequisite: consent of instructor.

399. Independent Study (3) Directed research project. Prerequisite: consent of instructor. Not for major credit.

507. Developmental Biology (4) Morphogenetic patterns of embryonic development along with their molecular and cellular bases; and mechanisms of differentiation. Three class and three laboratory hours per week. Prerequisites: Biology 101 and 102 or consent of instructor.

525. Plant Taxonomy (4) The major classes of flowering plants found in South Carolina. Emphasis is placed on economic and horticultural uses. Three class and three laboratory hours per week. Prerequisites: Biology 101 and 102 or consent of instructor.

530. Histology (4) The microscopic anatomy of human cells, tissues and organs. Three class and three laboratory hours per week. Prerequisites: two semesters of biological science and two semesters of chemistry.

531. Parasitology (4) Parasites of animals, with emphasis on the immunological, clinical, and epidemiological aspects of human parasitism. Three class and three laboratory hours per week. Prerequisites: two semesters of biological science and two semesters of chemistry.

534. Animal Behavior (4) Identification and classification of behavior patterns exhibited by various species of animals; the development of behavior; proximate and ultimate causes of behavior. Three hours class and three hours laboratory per week. Prerequisites: six credits in basic psychology, or Psychology 101 and Biology 102.

541, 542. Biochemistry (3,3) (= Chemistry 581, 582) Chemistry and functions of major biological compounds, including primary metabolic pathways and control mechanisms for biosynthesis and degradation. Prerequisite: Chemistry 332 or consent of instructor.

543L. Biochemistry Laboratory (1) (= Chemistry 583L) A survey of laboratory methods in biochemistry. Three laboratory hours per week. Prerequisite or corequisite: Chemistry 581 or 582.

570. Principles of Ecology (4) Interactions of organisms and the environment; ecosystems structure and functions. Three class and three laboratory hours per week. Prerequisite: Biology 102.

599. Senior Seminar (3) Integration of biological knowledge at an advanced level and exploration of ethical issues. Prerequisites: sixteen hours of biology.

Business Administration (SBAD)

225. Financial Accounting (3) Principles of external financial reporting for business entities, including income measurement and determination of financial position. Prerequisite: Mathematics 121 or equivalent.

226. Managerial Accounting (3) Attention-directing and problem solving functions of accounting in relation to planning and control, evaluation of performance, and special decisions. Prerequisites: Business Administration 225.

290. Business Systems (3) Management of information needs of a business organization with emphasis on computer applications, management information systems, and ad-

vanced concepts. Systems design methodologies, non-procedural languages, application development products, statistical packages, and data base management systems are included. Prerequisites: Computer Science 130, 131, and 137.

Note: Students majoring in business administration and economics taking 300-level or above courses in the discipline must be formally admitted to the professional program and meet all course prerequisites.

It is the student's responsibility to meet these standards. Should a student fail to meet these standards, he or she will be administratively dropped from upper division business administration and economics courses--a process that may occur several weeks into the semester with a consequent loss of tuition to the student.

Students pursuing fields of study outside of business administration and economics may earn a maximum of 30 semester hours in business administration and economics courses providing they meet the course prerequisites and have attained junior standing (60 semester hours earned) before enrolling in upper division courses (300-level and above).

331. Intermediate Accounting I (3) Financial accounting theory and practice as they relate to generally accepted accounting principles. Included are external financial reports with emphasis on the balance sheet and the income statement. Prerequisites: Business Administration 226.

332. Intermediate Accounting II (3) Liability section of the balance sheet relative to generally accepted accounting principles. Included are preparation and analysis of the statement of cash flow, issues of income determination, interperiod tax allocation, and special issues such as pensions and leases. Prerequisite: Business Administration 331 with a minimum grade of C.

333. Cost Accounting I (3) Cost accounting for production management. Cost systems for internal control, standard cost, inventory planning and control, capital budgeting; relationship between cost accounting and other quantitative areas; and other current cost topics are included. Prerequisites: Business Administration 226, Economics 222, and 292 or equivalent.

335. Individual Tax Planning (3) Federal income tax law as it relates to planning individual transactions to minimize income taxes. Includes preparation of individual tax returns. Prerequisite: Business Administration 226.

336. Fund Accounting (3) Principles and procedures of accounting for the various funds of governmental and institutional organizations and budgetary accounting for planning and controlling revenues and expenditures. Prerequisite: Business Administration 225.

347. Legal Environment of Business (3) Legal system; crimes and torts; consumer law, anti-trust, labor and employment law; environment and insurance; contracts and agency; business ethics; and international matters. Prerequisite: Government and International Studies 201.

348. Issues in Commercial Law (3) Corporations, bankruptcy, and the Uniform Commercial Code. Prerequisite: Business Administration 347.

350. Principles of Marketing (3) Marketing functions, trade channels, price policies, expenses and profits of middlemen, and public policy with respect to marketing practices.

351. Consumer Behavior (3) Consumer decision process examined in a marketing context. Selected concepts from psychology, sociology, anthropology, and other behavioral disciplines are analyzed to develop the student's ability to understand and predict reactions of consumers to marketing decisions. Prerequisite: Business Administration 350.

352. Marketing Communications (3) Promotion mix of advertising, personal selling, publicity, and sales promotion used to communicate with consumers, middlemen, and industrial markets. Included are the psychological, sociological, and cultural factors influencing promotion. Prerequisite: Business Administration 350.

353. Marketing Channels (3) Integration of business objectives with specific institutional characteristics to demonstrate marketing channel management as fundamental to success of the business enterprise. Research and the use of models in selected areas of channel management are emphasized. Prerequisite: Business Administration 350.

363. Business Finance (3) Procurement and management of wealth by privately owned profit-seeking enterprises. Prerequisites: Business Administration 225 and Economics 291.

364. Financial Institutions and Markets (3) Financial institutions and money and capital markets with consideration of their roles in the intermediation process. Emphasis is on the goals of these institutions and how they accomplish these goals within regulatory and tax constraints in highly competitive markets. Prerequisite: junior standing.

365. Principles of Investments (3) The conceptual and analytical framework for formulating investment policies. An overview of the traditional securities markets for stocks, bonds, options, and non-traditional investment such as financial futures, commodities, and international markets is emphasized. Prerequisite: junior standing.

366. Principles of Real Estate (3) Principles of property utilization, the law dealing with ownership, titles, and liens; determinants of value; the real estate cycle; regulatory legislation; current problems in urban and suburban land use; city structure and planning.

369. Personal Finance (3) Life insurance, health insurance, wills, trusts, social security, stocks, bonds, real estate, mutual funds, and other uses of funds.

371. Organizational Management and Behavior (3) Survey of functions of management and forms of organizational behavior demonstrated in all types of organizations, with an emphasis on international aspects.

372. Management of Production Operations (3) Planning, managing and controlling the production and operations functions with an emphasis on the use of quantitative methods. Prerequisite: Economics 292.

374. Personnel Management (3) Personnel administration as a staff function utilizing modern-day concepts and practices. Topics include: research and standards, employ-

ment, training and education, safety and health, employee services, and industrial relations.

390. Business Information Systems (3) Concepts of designing information systems: data flows, purposes, sources, storage, retrieval, processing, and reporting; data base organization. Prerequisites: Business Administration 290.

399. Independent Study (3-15)

432. Advanced Federal Income Tax (3) Estates and trusts, partnerships, corporations, foreign income, gift, and social security taxes. Prerequisite: Business Administration 335.

433. Accounting Control Systems (3) Skills, tools, and procedures needed properly to evaluate EDP controls. Program, system, and business level controls are presented to show how the accounting, ethical, and legal considerations should be integrated into the design of business accounting and auditing systems. Prerequisites: Business Administration 226, 290, and senior standing.

435. Auditing Theory (3) Installation, use, and effect of internal control systems. Ethics, legal liability, the audit of electronic data processing systems, the audit application of statistical sampling, and the reporting function of the independent auditor are examined. (A laboratory is available for students planning to take the CPA examination.) Prerequisites: Business Administration 332 and 433.

435L. Auditing Theory Lab (1) Advanced auditing application including statistical analysis and computerized auditing. Two hours of lab per week. Corequisite: Business Administration 435.

437. Advanced Accounting (3) Business combinations and consolidated financial statements. Included are examinations of partnerships, fiduciary relationships, international operations, and not-for-profit matters. Prerequisite: Business Administration 332.

452. International Marketing (3) Social, cultural, legal, political, and economic factors affecting the marketing of products and services in world markets. Prerequisite: Business Administration 350.

456. Business Marketing (3) Characteristics of the business-to-business market as distinguished from the consumer goods market. Methods used by business marketers in the management of pricing, distribution, promotion, and product development as it serves governments, institutions, and business firms are included. Prerequisite: Business Administration 350.

457. Marketing Research (3) Research methods and procedures used in the marketing process. Particular emphasis is given to the sources of market data, sampling, preparation of questionnaires, collection and interpretation of data and the relation of market research to the policies and functions of the business enterprise. Emphasis is placed upon differences in life-style, beliefs, and attitudes, and their influences upon the marketing decisions of the firm. Prerequisites: Business Administration 350 and Economics 292 or equivalent.

458. Marketing Management (3) Aggregate marketing system from the point of view of the decision maker. Included are policy areas of organization, research, product, promotion, pricing, channels, forecasting, distribution cost analysis, control, and management

of the sales force. Prerequisite: senior standing. Prerequisite or corequisite: Business Administration 457.

459. Personal Selling and Sales Management (3) Principles of salesmanship and management of the sales function. Included are recruiting, selecting, training, compensating, supervising, evaluating, and motivating sales personnel and managers. Prerequisite: Business Administration 350.

467. Real Estate Finance (3) Instruments utilized in the financing of real property, including mortgages, junior liens, land contracts, long-term leasing and sale, and lease-back arrangements. Included are sources of funds for real estate financing as well as programs of agencies of the U.S. government:

468. Real Estate Appraisal and Investment Management (3) Relationship between valuations and market prices; local real estate taxes as a charge against income-producing property; value from an income point of view; valuation of leaseholds; problems in eminent domain; principles of investment as they apply to real estate and the management of real estate portfolios.

471. Entrepreneurship (3) Assessment of new venture development or acquisition, preparation of business plans, identification of financing, and management of a new business. Prerequisites: Business Administration 226 and senior standing.

473. The Ethical Aspects of Corporate Policy (3) The role of business ethics in the formulation and implementation of corporate policy. Prerequisite: senior standing.

474. Advanced Management Decision Methods (3) Advanced quantitative methods of assistance to managers in the decision making process, with applications in the production and operations areas. Forecasting, aggregate planning and scheduling, inventory systems, and quality control. Prerequisites: Business Administration 371 and 372.

475. Advanced Production Management (3) Theory and applications of contemporary methods of managing production, process, and service operations. Macroprocessing modes, work methods and measurement, capacity planning and control. Prerequisites: Business Administration 371 and 372. Prerequisite or corequisite: Business Administration 474.

476. Statistical Process Control (3) Statistical procedures for process control, including CUSUM and Shewhart Control Charts, and lot acceptance sampling. Prerequisite: Economics 292 or equivalent.

477. Advanced Organizational Behavior (3) Exploration of advanced concepts in the study of organizational processes and structure. Prerequisite: Business Administration 371.

478. Business Policy (3) Multifunctional approach to the study of organizational problems and opportunities. Knowledge gained in previous courses is applied to the functions of an organization through use of strategies, objectives, policies, technology, environment, systems, ethics, and decision making. Requirements include individual research accompanied by written and oral presentations. Prerequisites: Senior standing and all Business Administration and Economics core courses except Business Administration 479.

479. Dean's Seminar (1) Integration of business knowledge, exploration of ethical and other contemporary issues, and interaction with business practitioners. Prerequisite: senior standing.

482. Advanced Office Systems (3) Perspectives on the potential of business systems to support modern office functions. Emphasis is given to the design of information processing considerations in the automated office and to the integrated functioning of data processing and text processing. Advanced office systems and equipment are described. Prerequisites: Business Administration 371 and 390.

490. Management Information Systems (3) Analysis, design, and implementation of a management information system in a user's environment. Required are a total feasibility study including the information flows, economics, risk assessments, and the behavioral and legal implications of the system. Prerequisite: Business Administration 390.

491. Decision Support Systems (3) Development and use of computer models to support business decision making. Presents a methodology, emphasizing a simulation language such as General Purpose Systems Simulation, or a user-designed heuristic system, to integrate statistical methods, probability theory, random number generation, and logic chains for generating and evaluating decision alternatives. Prerequisites: Business Administration 390 and Economics 292.

495. Information Resource Management (3) Seminar in information systems management with emphasis on planning, ethical and security issues, organizing and controlling user services, and managing the systems development process. Individual research is accompanied by written and oral presentations. Prerequisite: Business Administration 390.

499. Business Internship (3-6) Supervised work experience in the business environment resulting in a meaningful product for the employing firm and a scholarly project for the student. A minimum of nine hours per week of scheduled work, periodic class meetings, and individual consultation with the instructor are required. A contractual agreement signed by the employer, the student, the instructor, and the dean is mandatory. Pass-fail.

561. International Business Finance (3) Financial management of a multinational business enterprise. Topics include subsidiary working capital management, financial analysis of overseas ventures, sources of international capital, funds remittance policies, trade finance, exchange risk management policies, and techniques of financial control. Prerequisite: Business Administration 363.

Chemistry (SCHM)

Note: Occupational Safety and Health Administration (OSHA) regulations require that no contact lens be worn in chemistry laboratories and that everyone who enters wear safety goggles.

101. Fundamental Chemistry I (4) Survey of inorganic and solution chemistry. Non-science majors only. Three class, one recitation, and two laboratory hours per week.

102. Fundamental Chemistry II (4) Survey of organic and biochemistry. Non-science majors only. Three class, one recitation, and two laboratory hours per week. Prerequisite: Chemistry 101 or 111.

105, 106. Chemistry and Society I and II (3,3) Survey of chemistry and its impact on technology, the environment, modern life, and thought. Need not be taken in sequence. Non-science majors only. (Chemistry 107 laboratory is available for additional credit.)

107L. Chemistry and Society Laboratory (1) Three laboratory hours per week. Prerequisite or corequisite: Chemistry 105 or 106. (Credit may be earned only once.)

111. General Chemistry (4) Chemical principles with emphasis on stoichiometry, atomic structure, bonding, and molecular structure. Three class, one recitation, and two laboratory hours per week. Prerequisite or corequisite: Mathematics 120 or higher.

112. General Chemistry and Qualitative Analysis (4) Chemical equilibrium, acids and bases, oxidation-reduction, and inorganic qualitative analysis. Three class, one recitation, and three laboratory hours per week. Prerequisites: Chemistry 111 and Mathematics 120 or higher.

310. Introductory Biochemistry (4) Major biological molecules, metabolic pathways, enzymatic kinetics, molecular genetics, and physiology. Three class hours and three laboratory hours per week. Non-science majors only. Prerequisite: Chemistry 101 or 111, 112, or consent of instructor.

321. Quantitative Analysis (3) Principles of gravimetric, volumetric, and basic instrumental methods of analysis. Three class hours per week. Prerequisite: Chemistry 112.

321L. Quantitative Analysis Laboratory (1) Practice of volumetric, gravimetric, and simple instrumental methods of analysis. Three laboratory hours per week. Corequisite: Chemistry 321.

331, 332. Organic Chemistry (3,3) Nomenclature, reactions, and syntheses of carbon compounds with emphasis on reaction mechanisms. Three class hours and one recitation hour per week. Prerequisite for 331: Chemistry 112 or consent of instructor. Prerequisite or corequisite for 332: Chemistry 331

331L, 332L. Organic Chemistry Laboratory (1,1) A survey of laboratory methods of organic chemistry. Three laboratory hours per week. Prerequisite or corequisite for 331L: Chemistry 331. Prerequisites for 332L: Chemistry 331L and Chemistry 332 or concurrent enrollment in Chemistry 332.

499. Undergraduate Research (1-3) Directed research project introducing the student to the methods of chemical research. A written report on work accomplished is required at the end of each semester. Research involves laboratory and/or library work as determined by the instructor. The student can sign up for 1-3 hours of research each semester with a maximum of 9 hours total credits for undergraduate research. (Not for major credit). Prerequisite: consent of instructor.

511. Inorganic Chemistry (3) Atomic structure, valence, coordination compounds, and a systematic study of the periodic table. Prerequisite: Chemistry 541.

512L. Inorganic Chemistry Laboratory (1) Syntheses with high pressure reactions, the use of unfamiliar solvents, high temperature and inert atmosphere, and the application of infrared, ultraviolet, nuclear magnetic resonance, and mass spectroscopy to inorganic chemistry. Three laboratory hours per week. Prerequisite: Chemistry 331L. Prerequisite or corequisite: Chemistry 511.

522. Instrumental Methods of Analysis (4) Theory, instrumentation, and applications of modern instrumental techniques. Three class and three laboratory hours per week. Prerequisites: Chemistry 321 and 541.

530. Spectrometric Identification of Organic Compounds (3) Development and application of methods of obtaining and interpreting spectrometric data in terms of structural organic chemistry. Topics include infrared, ultraviolet, visible, and nuclear magnetic resonance spectroscopy. Prerequisite: Chemistry 332 or consent of instructor.

541. Physical Chemistry I (3) Macroscopic systems including thermodynamics and chemical equilibrium. Prerequisites: Chemistry 321 and Physics 202. Coregistration in Physics 212 is an alternative to having completed Physics 202. Prerequisite or corequisite: Mathematics 241.

541L. Physical Chemistry I Laboratory (1) Applications of physical chemical techniques to thermodynamics, chemical equilibrium and chemical kinetics. Three laboratory hours per week. Prerequisite: Chemistry 321L. Corequisite: Chemistry 541.

542. Physical Chemistry II (3) Microscopic systems including quantum theory and its applications to electronic structure and spectroscopy. Prerequisite: Chemistry 541.

542L. Physical Chemistry II Laboratory (1) Applications of physical chemical techniques to quantum mechanics and spectroscopy. Three laboratory hours per week. Prerequisite: Chemistry 541L. Corequisite: Chemistry 542.

561. Industrial Chemistry (3) Processes and techniques in the inorganic, organic, and polymer chemical industries. Prerequisite: Chemistry 542 or consent of instructor.

581, 582. Biochemistry (3,3) (= Biology 541, 542) Chemistry and functions of major biological compounds, including primary metabolic pathways and control mechanisms for biosynthesis and degradation. Prerequisite: Chemistry 332 or consent of instructor.

583L. Biochemistry Laboratory (1) (= Biology 543L) A survey of laboratory methods in biochemistry. Three laboratory hours per week. Prerequisite or corequisite: Chemistry 581 or 582.

599. Senior Seminar (3) Integration and assessment of chemical knowledge at an advanced level, exploration of ethical issues, research, and oral presentation. Prerequisite: senior standing.

Communications (SCOM)

490. Senior Seminar (3) Reading and research on selected topics in journalism, speech, and theatre designed to integrate knowledge, to explore ethical issues, and to gain experience in research and oral presentation. Prerequisite: Theatre and Speech 140.

Computer Science (SCSC)

130. Introduction to Computer Technology (2) Basic computer components and peripherals, basic computer function, input/output concepts, storage concepts, data communications, distributed processing, programming language concepts. Corequisite:

Computer Science 131 or 137; education majors must take Curriculum and Instruction (SEDC) 120.

131. BASIC Programming (1) An introduction to programming in the BASIC language. Prerequisite or corequisite: Computer Science 130.

137. Software Applications Packages (1) An introduction to microcomputer disk operating systems and the three most popular microcomputer applications packages: word processing, spreadsheets, and database management. Corequisite or prerequisite: Computer Science 130.

140. Introduction to Algorithmic Design I (3) Problem solving and algorithmic design in a procedural language. Rigorous techniques in the design, coding, testing, and documentation of computer algorithms are emphasized. Prerequisite: three years of college preparatory mathematics or equivalent or consent of the instructor. Prerequisite or corequisite: Mathematics 141 or 174.

210. Assembler Language Programming I (3) Computer organization: memory, central processing unit, registers, and PSW. Addressing techniques. Assembly language programming: arithmetic and logical instructions, subroutines and linkages, process interrupts. Prerequisites: Computer Science 240 and Mathematics 122 or 141.

211. Assembler Language Programming II (3) Interrupts, input/output programming, macro instructions, conditional assembly. Prerequisite: Computer Science 210.

231. Advanced BASIC Programming (3) Modular programming, algorithmic design, string manipulation, array processing, sequential and random file processing in the BASIC language. Prerequisites: Computer Science 130 and 131.

232. COBOL Programming (3) Basic and advanced programming with emphasis on commercial applications. Prerequisite: Computer Science 240.

233. FORTRAN Programming (3) Basic and advanced programming in the FORTRAN language. Prerequisite: Computer Science 240 or Business Administration 190.

234. PL/I Programming (3) Basic and advanced programming with problem solving utilizing structured variables, arrays, strings, linked lists, queues, and trees. Prerequisite: Computer Science 240.

235. Pascal Programming (3) Basic and advanced programming with problem solving utilizing structured variables, arrays, strings, linked lists, queues, and trees. Prerequisite: Computer Science 240.

236. C Programming (3) Basic and advanced programming with problem solving utilizing structured variables, arrays, strings, linked lists, queues, and trees. Prerequisite: Computer Science 240.

237. Ada Programming (3) Basic and advanced programming with problem solving utilizing structured variables, arrays, strings, linked lists, queues, and trees. Prerequisite: Computer Science 240.

240. Introduction to Algorithmic Design II (3) Rigorous development of computer algorithms. Elementary data structures, algorithm analysis. Programming techniques

such as string manipulation and recursion are introduced. Prerequisites: Computer Science 140 and Mathematics 121 or 141.

310. Introduction to Computer Architecture (3) Computer system organization, conventional machine architecture, microprogrammed architecture and organization, and multilevel machines. Prerequisite: Computer Science 240.

320. Information Structures (3) Arrays, dense and linked lists, stacks, queues, trees, graphs, sorting, searching, and hashing methods. Prerequisite: Computer Science 240.

399. Independent Study (1-9)

401. Introduction to Systems Simulation (3) Simulation languages, techniques, and methodology as applied to research problems from science and computer systems. Design of simulation experiments for optimizations and applications. Prerequisites: Computer Science 310, 320, and Mathematics 142.

420. File Management (3) Concepts of input/output management: fields, key, records, and buffering. File organization: sequential, indexed sequential, and direct access. File sorting, searching, and merging. Prerequisite: Computer Science 320.

441. Applied Commercial Programming (3) Experience in a data processing installation. Prerequisite: approval of the instructor. Pass-fail credit.

509. Topics in Computer Science (1-3) Selected topics of special interest in computer science. May be repeated for credit. Prerequisite: consent of instructor.

511. Operating Systems (3) Basic concepts and terminology of operating systems, concepts of input/output and interrupt programming, machine structure, memory management, processor management, and device management. Prerequisites: Computer Science 310 and 320.

512. Computer Communications Subsystems (3) Distributed systems, networks, local networks, and back-end storage networks. Concentration is on systems as viewed from the communication mechanism. Prerequisite: Computer Science 310.

520. Database System Design (3) Database organization; design and use of database management systems; database models--network, hierarchical, and relational; data description languages; data independence; and data representation. Prerequisite: Computer Science 420.

530. Programming Language Structures (3) Introduction to the structure of programming languages: formal specification of syntax and semantics, structure of algorithms, list processing, string manipulation languages, data types and interfacing procedures. Prerequisites: Computer Science 210 and 320.

540. Advanced Program Design (3) Structured and top-down design, modular programming, data types, time/space trade-offs, input/output and files, flow of control, preprocessors, error handling and interrupts, and documentation. Prerequisite: Computer Science 240.

551. Introduction to Automata Theory (3) Algebraic characterizations of languages, abstract families of languages, finite state machines, automata, and sequential machines,

and deterministic languages and their grammars. Prerequisites: Computer Science 320 and 530.

560. Numerical Analysis (3) (= Mathematics 560) Difference calculus, direct and interactive techniques for matrix inversion, eigenvalue problems, numerical solutions of initial value problems in ordinary differential equations, stability, error analysis, and laboratory applications. Prerequisites: Mathematics 242 and 544, and programming competency.

570. Introduction to Graphics (3) Graphics hardware, software, and applications; data structures; graphics languages; pen tracking; response time; and control programs. Prerequisite: Computer Science 320.

580. Introduction to Artificial Intelligence (3) The mind/brain problem and the nature of intelligence, artificial intelligence with respect to cognitive behavior and self-organizing systems, and heuristic programming techniques including the use of list processing and logic programming languages. Prerequisites: Computer Science 530, 540, and 550.

599. Computer Science Senior Seminar (3) Integration of knowledge at an advanced level, a review of recent developments in theoretical and applied computer science, the exploration of ethical issues, along with research and oral presentation. Prerequisite: consent of instructor.

Criminal Justice (SCRJ)

Note: Criminal Justice 101 or Sociology 101 is a prerequisite to all other criminal justice courses.

101. Introduction to Criminal Justice (3) Survey of the law enforcement, judicial, correctional, and juvenile systems; interrelationships between criminal justice agencies and the community.

321. Criminal Law (3) Origin and development of criminal law in America along with basic elements of crime and defenses.

310. Policing in America (3) Police organizations; the recruitment, training, and socialization of police officers; the role of police in society; and some critical issues in policing. The problem of coercive power as it relates to policing is also examined.

330. Institutional Corrections (3) History of corrections; traditional and contemporary philosophies, practices, and procedures; constitutional limitations and the impact of law on correctional practices.

333. Community-Based Corrections (3) Development and impact of community programs, halfway houses, group homes, work-release, and educational release programs, including the role of the community and citizens in the correctional process.

340. Introduction to Social Problems (3) (= Sociology 340) Analysis of social norms, deviation from norms, and consequences for social order and change including mental disorders, juvenile delinquency, crime, drug abuse, alcoholism, suicide, sexual pathology, race and ethnic relations, world population crises, work problems, and other current public concerns.

341. Sociology of Crime (3) (= Sociology 353) Social factors in the development, identification, and treatment of criminals.

342. Crime in America (3) Manifestations of crime, its victims, societal control strategies, correlates, and the collection and use of criminal statistics.

351. Juvenile Delinquency (3) (= Sociology 350) A survey of juvenile delinquency, its history, etiologies, manifestations, and extent.

355. Minority Group Relations (3) (= Sociology 355) Theories, methods, and substantive issues in majority-minority group relations and social processes, as well as cultural orientations associated with racial and ethnic differentiation.

364. State and Local Government (3) (= Government and International Studies 364) The institutions, functions, policy making processes, and politics of state and local governments including an examination of the relations between state and local government and the relations between state and local government and the national government.

370. Introduction to Public Administration (3) (= Government and International Studies 370) The basic principles and theory of administrative structure, responsibility, and control in relation to policy making in the modern state.

375. Victimology (3) Forms of victimization, the role of victims in crimes, their treatment by the criminal justice system, their decisions to report crimes and help prosecute offenders, victim-offender mediation, and victim compensation. The national crime survey regarding patterns and trends in victimization will be introduced.

399. Independent Study (3) May be repeated once with the consent of the advisor.

423. Sociology of Deviant Behavior (3) (= Sociology 523) Theories, methods, and substantive issues in the study of social deviancy. Prerequisites: Sociology 101, 340, 350 or 353, 497, or consent of instructor.

451. Civil Rights and Civil Liberties (3) (= Government and International Studies 551) Freedom of religion, freedom of speech and association, due process, equal protection, and criminal procedure. Prerequisite: Government and International Studies 201.

452. The Judicial Process (3) (= Government and International Studies 452) The growth of law, the lawmaking of the courts, the structure and organization of federal and state courts, the procedures involved in civil and criminal cases, and the problems and proposals for reform in the administration of justice.

470. Criminal Justice Organization Theory (3) Problems, processes, and theories of communication, decision making, and control in criminal justice agencies.

- 1 Focus is on integration and critical analysis of sociological theories and pertinent research data, and it explores moral issues in sociology. Assessment relies on essay exams, comprehensive research papers, and oral presentations.

471. Comparative Criminal Justice Systems (3) Analysis of international criminal justice systems, its legal foundations, current structures, and strategies of crime control. Prerequisite: senior standing or consent of instructor.

491. Selected Current Topics (3) A seminar for advanced students. May be repeated once with the consent of the advisor. Prerequisite: consent of instructor.

495. Senior Seminar: Criminal Justice Planning (3) History, function, and techniques of comprehensive planning in the criminal justice system, including the role of agency planners. Theory, research, and moral issues are examined. Assessment relies on essay exams, comprehensive research papers, and oral presentations. Prerequisites: Sociology 497 or senior standing.

499. Criminal Justice Internship (3) A planned program of observation, study, and work in selected criminal justice and related agencies. The purpose is to broaden the educational experience of seniors by giving them an opportunity to work with practitioners in the field. Prerequisites: minimum GPR of 2.5, criminal justice major, senior standing, and consent of instructor.

Economics (SECO)

221. Principles of Macroeconomics (3) Causes and effects of changes in economic aggregates, including gross national product, personal income, unemployment, and inflation. The role of economics in contemporary society and the effect of monetary and fiscal policy on the functioning of a free-market system is explored. Prerequisite: sophomore standing or Mathematics 121 or consent of instructor.

222. Principles of Microeconomics (3) Consumer demand, supply, and price in a free-market system. The economics of the firm is presented within the context of different market structures. Prerequisite: sophomore standing or Mathematics 121 or consent of instructor.

291. Probability and Statistics (3) Concepts of probability, probability distributions, and sampling theory. Prerequisite: Mathematics 121.

292. Statistical Inference (3) Methods of statistical inference, including additional topics in hypothesis testing, linear statistical models, and time series analysis. Prerequisite: Mathematics 122 and Economics 291.

Note: Students majoring in business administration and economics taking 300-level or above courses in the discipline must be formally admitted to the professional program and meet all course prerequisites.

It is the student's responsibility to meet these standards. Should a student fail to meet these standards, he or she will be administratively dropped from upper division business administration and economics courses--a process that may occur several weeks into the semester with a consequent loss of tuition to the student.

Students pursuing fields of study outside of business administration and economics may earn a maximum of 30 semester hours in business administration and economics courses providing they meet the course prerequisites and have attained junior standing (60 semester hours earned) before enrolling in upper division courses (300-level and above).

301. Commercial and Central Banking (3) History, structure, functions, and operations of the American commercial and central banking system. Emphasis is placed on the influence and operations of the Federal Reserve System. Prerequisite: Economics 221.

311. Issues in Economics (3) Nature and causes of major economic problems facing the nation and its communities and policy alternatives designed to solve them, including the philosophy and methodology of economics in social problem solving. Prerequisites: Economics 221 and 222.

321. Intermediate Microeconomic Theory (3) Neo-classical value and distribution theory. Prerequisite: Economics 222.

322. Intermediate Macroeconomic Theory (3) Income and employment theory. Prerequisite: Economics 221.

499. Topics in Economics (3) Selected topics in economics. Topics vary depending on available staff and interests of students. This course may be repeated for credit. Prerequisites: Economics 221 and 222.

503. International Economics (3) Theory of international specialization and exchange, impact of international transactions on national income, and introduction to the network, composition and sources of world trade. Prerequisites: Economics 221 and 222.

526. Managerial Economics (3) Application of the economic theory of profits, competition, demand, and costs to analysis of problems arising in the firm and in decision making. Price policies, forecasting, and investment decisions are among the topics considered. Prerequisites: Economics 222 and 292 or equivalent.

594. Introduction to Econometrics (3) Measurement, specification, estimation, and interpretation of functional relationships through use of single equation least squares techniques. Problems of multicollinearity, dummy variables, heteroscedasticity, autocorrelation, and lagged variables in simple economic models are introduced. Prerequisite: Economics 292 or equivalent.

Education

Curriculum and Instruction (SEDC)

101. Introduction to Education (3) An introduction to the teaching profession. The act of teaching, the learner, historical and present roles of schools, and current issues and trends in education are addressed. Open only to high school students who are enrolled in the South Carolina Teacher Cadet Program.

120. Microcomputers in Education (1) An introduction to the uses of microcomputers in education including the use and evaluation of courseware, LOGO and Superpilot. Prerequisite or corequisite: Computer Science (SCSC) 130.

Early Childhood Education (SEDE)

322. Survey of Early Childhood Education (3) Programs for young children and the historical, social, economic, and philosophical influences on education. Attention is

given to learning activities, materials, and equipment for the nursery school, kindergarten, and primary grades. The assessment of readiness and maturation and the relationship of various subject areas to the child's development is emphasized. Prerequisite: Foundations of Education 333.

400. Resources for Teaching Laboratory (1) Proper and effective use of audiovisual resources, including construction of materials and operations of audiovisual equipment. Prerequisite: admission to the professional program.

445. Language Development and Communicative Skill (3) The relationship of language development and thinking to teaching the communicative skills to young children. Included are activities designed to develop oral language facility, writing (handwriting, spelling, functional, and creative writing), and listening along with specific techniques dealing with diagnosis of language development. Students participate in a field based experience at a selected school site. Prerequisite: admission to the professional program. Corequisite: Reading Education 414.

446. Math for the Young Child (3) Materials and programs for teaching mathematics and the methods and theories for developing mathematics programs. Competence is gained in the selection, preparation, and presentation of materials. Students participate in a field based experience at a selected school site. Prerequisite: admission to the professional program. Corequisite: Early Childhood Education 448.

447. Social Studies for the Young Child (3) The selection, appropriate utilization, facilitation of development, and application of social science concepts to social problems and socialization of children. Students participate in a field based experience at a selected school site. Prerequisite: admission to the professional program.

448. Science for the Young Child (3) Materials and programs for teaching science and the methods and theories of developing science programs. Competence is gained in the selection, preparation, and presentation of materials. Students participate in a field based experience at a selected school site. Prerequisite: admission to the professional program. Corequisite: Early Childhood Education 446.

469. Directed Teaching in Early Childhood Education (12) A supervised semester-long clinical experience with fifty percent at the kindergarten level and the remaining fifty percent in grades one, two, three, or four. Pass-fail credit. Prerequisites: approved application for directed teaching.

Elementary Education (SEDL)

400. Resources for Teaching (1) Proper and effective use of audiovisual resources, including construction of materials and operations of audiovisual equipment. Corequisites: Elementary Education 410, 445, 446, 447, 448, Foundations of Education 436.

410. Elementary Practicum (1) The practice and demonstration of selected teaching strategies in language arts, science, social studies, and mathematics with small groups of students. Seminars and group discussions along with fifteen hours of observation and teaching are required. Pass-fail credit. Prerequisite: Elementary Education 441 and Reading Education 414. Corequisite: Elementary Education 400, 445, 446, 447, 448, and Reading Education 416.

441. The Elementary School Curriculum and Organization (3) The entire school program, including grouping, grading, placement, and organization of both the children and the school for optimal learning. Prerequisite: Foundations of Education 333 and 335. Corequisite: Reading Education 414.

445. Teaching Language Arts in the Elementary and Middle School (2) Materials, programs, and methods for teaching language arts in the elementary and middle schools. Prerequisite: Elementary Education 441 and Reading Education 414, Corequisite: Elementary Education 400, 410, 446, 447, 448, and Reading Education 416.

446. Teaching Mathematics in the Elementary and Middle School (2) Materials, programs, and methods for teaching mathematics in the elementary and middle schools. Prerequisite: Elementary Education 441 and Reading Education 414, Corequisite: Elementary Education 400, 410, 445, 447, 448, and Reading Education 416.

447. Teaching Social Studies in the Elementary and Middle School (2) Materials, programs, and methods for teaching social studies in the elementary and middle schools. Prerequisite: Elementary Education 441 and Reading Education 414, Corequisite: Elementary Education 400, 410, 445, 446, 448, and Reading Education 416.

448. Teaching Science in the Elementary and Middle School (2) Materials, programs, and methods for teaching science in the elementary and middle schools. Prerequisite: Elementary Education 441 and Reading Education 414, Corequisite: Elementary Education 400, 410, 445, 446, 447, and Reading Education 416.

470. Directed Teaching in the Elementary and Middle School (12) A supervised semester-long clinical experience with fifty percent in grades one, two, or three and the remaining fifty percent in grades four, five, six, seven, or eight. Pass-fail credit. Prerequisite: approved application for directed teaching.

Foundations of Education (SEDF)

210. Introduction to Education (2) The art and science of teaching, the learner, the historical and present roles of schools, and current issues and trends in education.

321. Dynamics of American Education (2) A comprehensive examination of the social, historical, and philosophical influences that have shaped formal educational policies and practices in the USA with special emphases upon ethical, moral, and legal aspects of education. Prerequisite: Foundations of Education 210.

333. Introduction to Child Psychology and Development (3) Applications of psychology of learning and motivation to patterns of social, emotional, physical, and intellectual growth and development, and their relationship to teaching.

333L. Laboratory in Child Growth and Development (0) Laboratory experience in elementary and middle school settings.

334. Introduction to Adolescent and Adult Psychology and Development (3) Applications of psychology of learning and motivation to patterns of social, emotional, physical, and intellectual development and their relationship to teaching adolescents and adults.

334L. Laboratory in Adolescent and Adult Growth and Development (0) Laboratory experience in secondary school and adult learning environments.

335. Introduction to Educational Psychology (3) Applications of psychology of learning and motivation and the use of basic statistical procedures and to the behavior of the school child.

341. Education Procedures for Exceptional Children (3) Theoretical and practical approaches to the education of the young exceptional child with emphasis on current remedial procedures. Included are alternative administrative arrangements and sources of academic therapy. Supervised field experiences are included.

485. Classroom Management and Teaching (2) The microcosm of the classroom with emphasis upon classroom management and the causes of discipline problems in the schools. Prerequisite: admission to the professional program. Corequisite: directed teaching.

486. Measurement and Evaluation in Education (1) Introduction to the basic principles, techniques, and practical applications of diagnosis, measurement, and evaluation. The use of computers in measurement and evaluation, and the principles of grading are stressed. Prerequisite: admission to the professional program, Foundations of Education 333, 335.

Reading Education (SEDR)

414. Reading I (3) Reading readiness and beginning reading instruction including language acquisition, the connection between learning to write and learning to read, and the language experience approach. Reading strengths and weaknesses of children in public schools are identified in order to plan and implement appropriate lessons. Prerequisite: Foundations of Education 333 and 334. Corequisite for early childhood education majors: Early Childhood Education 445.

416. Reading II (3) Teaching of reading to children beyond the primary grades. Comprehension and the integration of reading skills in the content are used to plan and implement appropriate lessons. Prerequisite: Reading Education 414.

418. Reading in the Secondary School (3) The significance of reading as it relates to all content areas. The focus is on strategies for making any text material more accessible to the student, and attention is given to matching the learner and the learning. Seven hours of tutoring in the area of certification are required. Prerequisite: Foundations of Education 333 and 334 and admission to the professional programs. Prerequisite for physical education majors: Psychology 302.

Secondary Education (SEDS)

400. Resources for Teaching (1) Proper and effective use of audiovisual resources, including construction of materials and operations of audiovisual equipment. Corequisite: Secondary Education 410, 441, 460, Reading Education 418.

410. Practicum in Secondary School Curriculum and Instruction (1) A supervised practicum experience in which emphasis is placed on ascertaining the steps in the development of a school's curriculum, the determinants of the curriculum, and the influences of the curriculum on teaching methodology. Students observe and demonstrate various teaching practices. A total of 15 hours of observation and

demonstration is conducted in a single secondary school setting. Pass-fail Credit. Corequisite: Secondary Education 441.

441. Secondary School Curriculum (2) Organization, historical context, foundations for development, planning, design, and strategies for change of the curriculum. Open only to juniors and seniors or graduates completing certification requirements. Prerequisites: Foundations of Education 321, 333, and 334 or consent of instructor.

445. Teaching English in Secondary Schools (2)

446. Teaching Mathematics in Secondary Schools (2)

447. Teaching Social Studies in Secondary Schools (2)

448. Teaching Science in Secondary Schools (2) Methods, materials, resources, issues, and trends. Included are the planning for and delivery of instruction. Prerequisite: admission to the professional program.

460. Secondary School Teaching Methodology (2) Rationale for teaching, impact of curricula on the teacher, methods to insure student involvement in learning, content organization, classroom management, multiethnic education, education of the handicapped, evaluation of student performance, teacher effectiveness, evaluation and professionalization of teaching. Prerequisites/corequisites: admission to the professional program, Foundations of Education 321, 333, 334, or consent of instructor.

473. Directed Teaching in Secondary School (English) (12)

475. Directed Teaching in Secondary School (History and Social Studies) (12)

478. Directed Teaching in Secondary School (Mathematics) (12)

481. Directed Teaching in Secondary School (Natural Science) (12) A supervised clinical experience consisting of seven weeks in a high school and seven weeks in a middle school. There are six two-hour seminars and one day-long seminar which include the exploration of ethical issues, experiences in research through the analysis and evaluation of teaching, and oral presentation of research results. Prerequisite: approval of the Teacher Education Admissions Committee. Pass-fail credit.

Engineering (SENG)

101. Introduction to Engineering I (2) Computers in engineering practice. Use of an appropriate operating system, programming in a high-level language, spreadsheet, and word processing. One lecture and two laboratory hours per week.

102. Introduction to Engineering II (2) Principles and practice of visualization and graphical representation using modern computer-aided design tools. One lecture and two laboratory hours per week.

200. Statics (3) Introduction to the principles of mechanics. Equilibrium of particles and rigid bodies. Distributed forces, centroids, and centers of gravity. Moments of inertia of areas. Analysis of simple structures and machines. A study of various types of friction. Prerequisite: Mathematics 141.

210. Dynamics (3) Kinematics of particles and rigid bodies. Kinetics of particles with emphasis of Newton's second law; energy and momentum methods for the solution of problems. Applications of plane motion of rigid bodies. Prerequisite: Engineering 200.

211. Introduction to Computer Engineering I (3) Computer structures, logic design, sequential machines, engineering computing. Prerequisite: Mathematics 141.

221. Introduction to Electrical Engineering I (3) Linear circuit analysis. Prerequisite: Mathematics 142.

260. Introduction to Mechanics of Solids (3) The concepts of stress and strain; stress analysis of basic structural members; consideration of combined stress, including Mohr's circle; introductory level analysis of deflection; buckling of columns. Prerequisites: Engineering 200 and Mathematics 241.

290. Thermodynamic Fundamentals (3) Definitions, work, heat, and energy. First law analysis of systems and control volumes. Second law analysis. Prerequisite: Mathematics 241.

English Language and Literature (SEGL)

Advanced standing in freshman English classes may be achieved through appropriate scores on Advanced Placement (AP) tests, passing of appropriate College Level Examination Program (CLEP) tests, institutional credit by examination, or the English placement tests administered to all in-coming USCS freshmen. Details may be found in appropriate sections of this catalog or in consultation with the Chair of the Division of Fine Arts, Languages, and Literature.

100. Basic Writing (3) Closely supervised practice in writing the sentence, the paragraph, and the theme, with intensive review of spelling, grammar, punctuation, and mechanics. Satisfies no degree requirements.

101. Composition (3) Closely supervised practice in reading and in writing essays. Attention is given to invention, arrangement, and style.

102. Composition and Literature (3) The writing of expository essays, critical essays, and the research paper with an introduction to literature.

146. Composition and Literature (3) Intensive reading in the various types of literature and intensive writing of expository and critical essays, including short essays, examinations, and the research paper. Upon successful completion of the course with a minimum grade of C the student will receive credit for English 101 and English 146. Students receiving a D or D+ must also successfully complete English 101. Students who fail English 146 must successfully complete English 101 and English 102. Students must place into English 146 by means of USCS writing sample, evaluation in conjunction with SAT scores (when available) and Nelson-Denny reading scores.

Note: The completion of Composition and Literature or the equivalent is prerequisite to enrollment in all higher level English courses. Only those courses that are numbered above 300 may count toward a major in English.

245. Effective English (3) Theory and practice in planning and writing a variety of professional communications. Memorandums, letters, resumé's, and formal reports are emphasized.

275. Masterpieces of World Literature (3) Selections from the literature of western and non-western cultures from ancient times through the seventeenth century.

- 276. Masterpieces of World Literature (3)** Selections from the literature of western and non-western cultures from the eighteenth century to modern times.
- 279. Survey of American Literature (3)** Writings from colonial times to 1860.
- 280. Survey of American Literature (3)** Poetry, drama, and prose from 1860 to the present.
- 289. Survey of British Literature (3)** Poetry, drama, and prose from the Old English Period to 1800.
- 290. Survey of British Literature (3)** Poetry, drama, and prose from 1800 to the present.
- 291. Black American Literature (3)** A survey of writings by black American authors. The literary types studied may vary.
- 318. Writing and Computers (3)** Research, analysis, composition, and publication with the assistance of computer applications. Prerequisites: English 101 and 102; and Computer Science 130 plus 131 or 137 or Education Curriculum and Instruction 120.
- 318L. Writing and Computers Laboratory (0)** Writing, publishing, and literary research using computer applications. Corequisite: English 318.
- 319. Development of the Novel (3)** The development of the novel as an art form. Included are major European and American novels.
- 322. Contemporary Literature (3)** A survey of prose, poetry, and drama from 1950 to the present.
- 395. Narrative Poetry, Epic and Heroic (3)** Selected readings (in translation) from the epic and heroic poetry of Europe. These selections may include: Homer's *Iliad* and *Odyssey*, Virgil's *Aeneid*, *Beowulf*, *The Song of Roland*, *The Epic of the Cid*, Milton's *Paradise Lost*, and others.
- 398. Studies in Language and Literature (3)** Intensive study of selected topics.
- 399. Independent Study (1-6)**
- 400. A Survey of Early English Literature (3)** Old and Middle English works in translation.
- 401. Chaucer (3)** Chaucer's works, with special attention the *The Canterbury Tales*.
- 407. Shakespearean Drama (3)** Selected plays by Shakespeare.
- 409. English Literature, 1500-1660 (3)** Poetry and prose of major Renaissance and Commonwealth writers.
- 411. English Literature, 1660-1800 (3)** Poetry, prose, and drama of Restoration and 18th century writers.
- 417. Romanticism (3)** The 18th century transition from classicism to romanticism, and the 19th century masters: Wordsworth, Coleridge, Byron, Shelley, and Keats.
- 419. Victorian Literature (3)** Poetry and prose of major Victorian writers.

- 422. Modern Drama (3)** British, American, and continental drama beginning with Ibsen and Strindberg.
- 423. British Literature, 1900-1950 (3)** Poetry, prose, and drama of major writers.
- 425. American Literature, Beginnings to 1830 (3)** Colonial and revolutionary American writing with special attention to literary types and to the influence of religion and politics.
- 426. American Literature, 1830-1865 (3)** Readings in representative works.
- 427. American Literature, 1865-1910 (3)** Readings in representative works.
- 428. American Literature, 1910-1950 (3)** Readings of representative works.
- 435. The Short Story (3)** Characteristics of the short story as a type, with references to its historical development in America and Europe.
- 447. Southern Literature (3)** An historical and critical survey of selected works of Simms, Lanier, Cable, Harris, Wolfe, Faulkner, O'Conner, Johnson, Wright, McCullers, and other southern writers.
- 451. Introduction to the Study of Language (3)** The design and function of human language with illustrations drawn from English and modern European languages, as well as others.
- 453. Development of the English Language (3)** History and evolution of the English language reflecting changes in phonetics, semantics, morphology, and syntax, as well as assembly of dictionaries.
- 455. Language Study Applications (3)** Applied linguistics studies providing increased awareness of the power of language and suggesting methodology for increasing language usage, dialects, general semantics, propaganda techniques, non-verbal communication (body language) and application of grammatical analysis to improvements of effective communication.
- 459. Advanced Rhetoric and Composition (3)** The theory and principles of rhetoric, their history and development from classical Greece to the present, and the application of these principles in the student's own thinking and writing.
- 468. Creative Writing (3)** The writing of non-fiction, drama, and poetry. May be taken twice for a total of six semester hours with the consent of the division chair. Prerequisites: English 102 and consent of instructor.
- 483. Theory of Literary Criticism (3)** Various theories of literary criticism with the aim of establishing standards of judgment. Practice in criticism of literary works.
- 484. Children's Literature (3)** Representative works in children's literature appropriate for the elementary school child.
- 485. Adolescent Literature (3)** The characterization of adolescents in literature and the historical development of the writing of literary works expressly for adolescent readers.
- 490. Senior Seminar (3)** Reading and research on selected topics designed to integrate knowledge, to explore ethical issues, and to gain experience in research and oral

presentation. Prerequisites: Theatre and Speech 140 and fifteen hours in English courses numbered above 300.

English as a Second Language (SESL)

101. Writing I for Non-native Speakers of English (3) Developing in improving the writing skills of the non-native English speaker. Confidence in writing abilities is built through a systematic approach to the understanding of writing as a process.

105. Effective Reading I for Non-native Speakers of English (3) Developing and improving the reading and vocabulary skills of the non-native English speaker.

Foreign Languages

Note: Unless otherwise indicated, readings, lectures and discussion in foreign language courses above the elementary level are principally in the language concerned.

Exemption policy: Incoming students with previous experience in a foreign language must take a placement test. Those placing in 102 or 121 and completing the course with a minimum grade of C will also receive credit for 101 (a total of 8 semester hours is awarded for foreign language 101 and 102, or for 121). Students placing in 201 or above may receive credit for 101 and 102 if the 200- level or 300-level course is completed with a minimum grade of C (a total of 11 semester hours is awarded for foreign language 101, 102, and the 200-level or 300-level course). As an alternative, those placing in 201 or above may choose exemption with no credit if their majors carry a two semester language requirement. Students with a three semester language requirement must place in 202 or above to exempt with no credit. Exemption from the foreign language requirement does not reduce the total number of hours required for graduation.

French (SFRN)

101, 102. Introductory French (4,4) Fundamentals of the language and culture through speaking, listening, reading, and writing. Prerequisite for 102 is French 101 or placement test.

103. Introductory Reading in Business and Technical French (3) Interpretation of basic written material in business and science.

104. French Culture (3) Major artistic, literary, and historical movements from the Middle Ages to modern times that have contributed to the French cultural identity. Taught in English.

121. Elementary French (4) Intensive review and continuation of basic grammar and vocabulary for fundamental communication skills. Placement in French 121 assumes a minimum of two years high school level experience in the language.

201, 202. Intermediate French (3,3) Review of the basic principles of grammar, with emphasis on reading, writing, and oral skills. Prerequisite: French 102 or 121 or placement test.

210. French Oral Communication (3) Oral training in French through conversation groups, oral presentations, oral drills, and vocabulary development. Prerequisite: French 201 or placement test.

250. Selected French Studies Abroad (3-6) Development of intermediate level communication skills together with immersion in the culture of a foreign country. Prerequisite: French 102 or 121 or consent of instructor.

310. French Conversation (3) Advanced vocabulary development and acquisition of fluency through aural and oral activities. Prerequisite: French 210 or placement test.

350. Selected French Studies Abroad (3-6) Development of advanced level communication skills together with immersion in the culture of a foreign country. Prerequisite: French 202 or 210 or 250 or consent of instructor.

German (SGRM)

101, 102. Introductory German (4,4) Fundamentals of the language and culture through speaking, listening, reading, and writing. Prerequisite for 102 is German 101 or placement test.

103. Introductory Reading in Business and Technical German (3) Interpretation of basic written material in business and science.

104. German Culture (3) Major artistic, literary, and historical movements from the Middle Ages to modern times that have contributed to the German cultural identity. Taught in English.

121. Elementary German (4) Intensive review and continuation of basic grammar and vocabulary for fundamental communication skills. Placement in German 121 assumes a minimum of two years high school level experience in the language.

201, 202. Intermediate German (3,3) Review of the basic principles of grammar, with emphasis on reading, writing, and oral skills. Prerequisite: German 102 or 121 or placement test.

210. German Oral Communication (3) Oral training in German through conversation groups, oral presentations, oral drills, and vocabulary development. Prerequisite: German 201 or placement test.

250. Selected German Studies Abroad (3-6) Development of intermediate level communication skills together with immersion in the culture of a foreign country. Prerequisite: German 102 or 121 or consent of instructor.

310. German Conversation (3) Advanced vocabulary development and acquisition of fluency through aural and oral activities. Prerequisite: German 210 or placement test.

350. Selected German Studies Abroad (3-6) Development of advanced level communication skills together with immersion in the culture of a foreign country. Prerequisite: German 202 or 210 or 250 or consent of instructor.

Japanese (SJPN)

101, 102. Introductory Japanese (4,4) Fundamentals of the language and culture through speaking, listening, reading, and writing. Prerequisite for 102 is Japanese 101.

104. Japanese Culture (3) Major artistic, literary, and historical movements from ancient to modern times that have contributed to the Japanese cultural identity. Emphasis will be placed on modern Japan. Taught in English.

201. Intermediate Japanese (3) Review of the basic principles of grammar, with emphasis on reading, writing, and oral skills. Prerequisites: Japanese 102.

Spanish (SSPN)

101, 102. Introductory Spanish (4,4) Fundamentals of the language and culture through speaking, listening, reading, and writing. Prerequisite for 102 is Spanish 101 or placement test.

104. Hispanic Culture (3) Major artistic, literary, and historical movements from the Middle Ages to modern times that have contributed to the Hispanic cultural identity. Taught in English.

121. Elementary Spanish (4) Intensive review and continuation of basic grammar and vocabulary for fundamental communication skills. Placement in Spanish 121 assumes a minimum of two years high school level experience in the language.

201, 202. Intermediate Spanish (3,3) Review of the basic principles of grammar, with emphasis on reading, writing, and oral skills. Prerequisite: Spanish 102 or 121 or placement test.

209. Spanish Grammar and Composition (3) Analysis of fundamental elements of the language and exercises in composition. Prerequisite: Spanish 202 or consent of instructor.

210. Spanish Oral Communication (3) Oral training in Spanish through conversation groups, oral presentations, oral drills, and vocabulary development. Prerequisite: Spanish 201 or placement test.

250. Selected Spanish Studies Abroad (3-6) Development of intermediate level communication skills together with immersion in the culture of a foreign country. Prerequisite: Spanish 102 or 121 or consent of instructor.

310. Spanish Conversation (3) Advanced vocabulary development and acquisition of fluency through aural and oral presentations and conversation groups. Prerequisite: Spanish 210 or placement test.

350. Selected Spanish Studies Abroad (3-6) Development of advanced level communication skills together with immersion in the culture of a foreign country. Prerequisite: Spanish 202 or 210 or 250 or consent of instructor.

French

See Foreign Languages.

General Studies (SGST)

098. Effective Reading I (3) Development and improvement of skills in reading, vocabulary, and study techniques. Admission is by placement test and by advising. No credit toward a degree will be awarded for this academic skills course.

099. Effective Reading II (3) Development and improvement of skills in reading, vocabulary, reading rate, and study techniques. Prerequisite: General Studies 098. No credit toward a degree will be awarded for this academic skills course.

299. Independent Study (1-6) Prerequisite: junior standing or consent of division chair.

Geography (SGEG)

103. Introduction to Geography (3) Principles and methods of geographical inquiry.

121. Principles of Regional Geography (4) Description of the regional method and an analysis of the region forming processes. Emphasis is placed on the construction of local regions and the interpretation of regional constructs. Three class and two laboratory hours per week.

201. Introduction to Physical Geography (4) The spatial significance of land forms, water bodies, and soils. Emphasis is placed on both the man-land relationship and the concept of location. Three class and two laboratory hours per week.

202. Introduction to Weather and Climate (4) The interrelationship of weather elements and controls and the spatial distribution of climate and vegetation. Three class and two laboratory hours per week.

212. Introduction to Economic Geography (3) Factors in location and production of commodities, commerce, and manufacturing.

324. Geography of North America (3) Physical and cultural geography of North America with emphasis on the United States.

340. Geography of Population, Settlement, and Migration (3) (= Sociology 315) Births, deaths, migration and the distribution of human populations, and the analytical methods used in the study of each of these topics.

Geology (SGEL)

101. Physical Geology (4) Methods and procedures of science for interpretation of the earth. The natural processes and their products--the minerals, rocks, fossils, structure and surface forms of the earth are considered. Emphasis is placed on the interplay between hypothesis, experiment, and observable fact which characterize productive physical science. Three class and three laboratory hours per week.

102. Historical Geology (4) The practice of geology as an historical science with emphasis on the methods of analysis, nature of the record, and guiding principles that have allowed geologists to decipher the history of the earth. Three class and three laboratory hours per week.

103. Environmental Earth Science (4) Analysis of the basic energy cycles of the earth the interaction of human activity with earth processes to affect the environment. Three class and three laboratory hours per week.

120. Geology of the Southeast (3) Investigation of the geological processes responsible for the land forms and natural resources of the southeastern United States. Three class hours per week and field trips are required.

121. Geology of North America (3) Analysis of the geological history and development of the North American landmass, regions, and resources. Comparison of similarities among regions, though formed at widely separated periods in earth history, will be emphasized. Three class hours per week and field trips are required.

310. Paleobiology (4) Taxonomy and morphology of fossil organisms. Three class and three laboratory hours per week. Prerequisite: Geology 102 or Biology 102 or consent of instructor.

German

See Foreign Languages.

Government and International Studies (SGIS)

140. Model United Nations (1) The organization and functioning of the United Nations. Course enrollment is limited to students participating in the Model United Nations and consent of the instructor. May be taken no more than three times.

141. South Carolina Student Legislature (1) The organization and functioning of the South Carolina General Assembly. Course enrollment is limited to students participating in the South Carolina Student Legislature and consent of the instructor. May be taken no more than three times.

201. American National Government (3) The formation and development of the national government, its organization and powers.

301. Introduction to Political Science (3) An introduction to ideas important in the study of politics. Topics include the concept of power and the nature of the state as seen in the ideologies of totalitarianism, fascism, socialism, communism, liberalism, and pluralism.

310. International Politics (3) An introduction to the basic factors influencing nation-state behavior in the world: the nation-state system, nationalism and imperialism, national power, and the present world crisis. The role of the United States in the world community is emphasized.

315. Theories of International Relations (3) The ideas and works of leading theorists of international relations. Stress is placed on the special role these theories and theorists have played and continue to play in shaping and guiding the policies of statesmen.

320. Comparative Politics (3) An introduction to the analysis of the major types of political systems utilizing examples drawn from democratic, communist, and under-developed nation-states. Problems, approaches, and methods associated with the comparative field are emphasized.

330. International Organizations (3) An introduction to the structure and functions of international political and economic organizations. Particular attention is given to the United Nations and its specialized agencies and to emerging regional communities.

340. The Conduct and Formulation of United States Foreign Policy (3) An analysis of how contemporary United States foreign policy is made and conducted.

341. Contemporary United States Foreign Policy (3) A critical analysis of selected foreign policy problems.

360. American Political Parties (3) The functions, history, and future of political parties in the United States. Emphasis is on the development of political parties and the consequences of that development upon the party as an organization, the party as an electorate, and the party in the government.

361. Political Behavior (3) Political participation in the United States through such activities as interest groups, political protest, contacting officials, voting, running for office. Who participates and why, and the consequences of participation for policy decisions and for society are also examined.

363. Southern Politics (3) Selected political patterns and trends within the eleven states of the American South including historical developments since 1950.

364. State and Local Government (3) (= Criminal Justice 364) The institutions, functions, policy making processes, and politics of state and local governments including an examination of the relations between state and local government and the relations between state and local government and the national government.

370. Introduction to Public Administration (3) (= Criminal Justice 370) The basic principles and theory of administrative structure, responsibility, and control in relation to policy making in the modern state.

374. Introduction to Public Policy (3) Social, political, and technical forces in policy making including various theories of public policy and inquires into selected policy areas. Current policy issues are included and integrated into the larger theories of decision making.

385. American Political Thought (3) A survey of American political theorists from the colonial period to the present with an examination of the social, cultural, historical, and scientific developments that have contributed to the nature of American political thinking.

399. Independent Study (1-6)

401. History of Political Thought (3) A theoretical treatment of the purposes and functions of the state through an examination of political philosophers from Machiavelli to Hegel.

445. National Security Policy (3) Foreign policy institutions, processes, and objectives from the perspective of their role in the formulation and implementation of U.S. national security policy. Included are the evolution of strategic doctrine, alliances, the economics of defense spending, and the relationship between national and international security interests. Prerequisites: Government and International Studies 201 and junior standing.

447. Foreign Policies of Selected Powers (3) The foreign policy processes of the major powers in the international system including the structures involved in the formulation of policy and divergent policies directed to functional issues such as nuclear controls, environmental issues, and economic assistance.

452. The Judicial Process (3) (= Criminal Justice 452) The growth of law, the lawmaking of the courts, the structure and organization of federal and state courts, the procedures involved in civil and criminal cases, and the problems and proposals for reform in the administration of justice.

462. The Legislative Process (3) Structure, organization, powers, functions, and problems of legislative bodies.

463. The American President (3) The constitutional powers and political roles of the president with lesser emphasis upon state governors. Emphasis is placed on the chief executive and administration, executive relationships with legislatures, and party and popular leadership by the executive.

491. Topics in Government and International Studies (1-3) May be repeated once as topics change.

495. Political Science Internship (1-6) Supervised work experience in a political or governmental environment. A minimum of three hours work per week is required for each credit hour. Students are required to meet periodically with the supervising faculty member. Prerequisites: junior or senior standing and consent of the instructor. Pass-fail credit. Students are limited to a maximum of six hours combined from Government and International Studies 495 and 496.

496. Public Administration Internship (1-6) Supervised work experience in a public administration environment. A minimum of three hours work per week is required for each credit hour. Students are required to meet periodically with the supervising faculty member. Prerequisites: completion of the core curriculum in public administration and consent of the instructor. Pass-fail credit. Students are limited to a maximum of six hours combined from Government and International Studies 495 and 496.

500. Senior Seminar (3) (= History 500) Exploration, at an advanced level, of issues, topics, and dilemmas in both the subject matter and the professions of history and government with emphasis on research and oral presentation of research findings. The specific topics covered in the course vary depending upon the instructor. Prerequisite: twelve hours of government and international studies at the 300-level or above, or consent of instructor. Interdisciplinary studies students may meet prerequisites with twelve hours of history, government and international studies, or a combination, at the 300-level or above, or consent of instructor.

550. Constitutional Law (3) The evolution of governmental powers focusing on the judiciary, the presidency, congress, the states, and intergovernmental relations. Prerequisite: Government and International Studies 201.

551. Civil Rights and Civil Liberties (3) (= Criminal Justice 451) Freedom of religion, freedom of speech and association, due process, equal protection, and criminal procedure. Prerequisite: Government and International Studies 201.

571. Public Financial Administration (3) Principles and practices of financial administration including organization, budgeting, assessment, treasure management, and debt.

572. Public Personnel Management (3) Fundamental principles of personnel organization and administration, including an analysis of personnel techniques.

Health Education (SHED)

170. First Aid (2) Instruction leading to basic certification in standard first aid and cardiopulmonary resuscitation.

221. Personal and Community Health (3) Application of current principles and facts pertaining to healthful, effective living. Personal health problems and needs of a student in matters of personal hygiene, mental, sexual, nutritional, safety, environmental, wellness, and drug education.

235. First Aid and Emergency Preparedness (3) The preparation of school personnel to act responsibly in emergency situations. (Includes the American National Red Cross standard and advanced First Aid instruction.)

331. Health and Education for the Elementary School Child (2) Methods and materials for elementary schools. Integration and correlation of materials with school subjects at both primary and intermediate grade levels.

370. First Aid and Care for Athletic Injuries (4) Safety in physical activity and the rehabilitation and care of the injured with emphasis on responsible action in emergency situations. Three lecture and three laboratory hours per week. Prerequisite: Biology 232.

400. Wellness: Diagnosis and Prescription (3) Assessment techniques, theoretical frameworks, and methodology used in the diagnosis of an individual's level of wellness. An interpretation of the diagnoses is used to develop individual programs.

434. Health Education (3) Methods of teaching health with special emphasis on the relationship of health to physical education. Health service, healthful school living, and methods and materials of teaching health are included. Prerequisites: Health Education 221, Biology 232 and Biology 242.

History (SHST)

101, 102. Introduction to European Civilization (3,3) A survey of the rise and development of European civilization from its Mediterranean origins to 1648 and from 1648 to the present.

110. Introduction to American History (3) An interpretation of the major characteristics of American society and the forces which have influenced its evolution from its American Indian origins to thirteen colonies to industrial-based world power.

111. Introduction to Western Civilization (3) A survey of the major developments and characteristics of western civilization in Europe and the Americas, with major emphasis upon the period from the Renaissance to the present.

112. An Introduction to Non-Western Civilizations (3) A survey of the major developments and characteristics of non-western civilizations and cultures in Asia, Africa, and the Americas.

201, 202. History of the United States (3,3) A general survey of the United States from the era of discovery to the present, emphasizing major political, economic, social, and intellectual developments.

Note: the prerequisite for all upper division history courses is any 100 or 200 level history course or the consent of the instructor.

316. Nineteenth Century Europe (3) Political, economic, social, and cultural changes in Europe in the nineteenth century.

317. Europe from World War I to World War II (3) The history of Europe from World War I to World War II.

318. Europe from World War II to the Present (3) The history of Europe from World War II to the present.

320, 321. The History of Great Britain (3,3) The political, economic, social, and cultural development of England from Anglo-Saxon times to the Glorious Revolution and from the Glorious Revolution to modern times.

325. England under the Tudors, 1485-1603 (3) Political, cultural, and intellectual life during the English Renaissance and Reformation.

326. England under the Stuarts, 1603-1714 (3) Political, intellectual and cultural developments from James I to Queen Anne.

327. Great Britain under the Hanoverians, 1714-1815 (3) Constitutional developments in the 18th century, the Whig ascendancy, the impact of the industrial, American, and French Revolutions, and Britain's rise to world power.

328. Nineteenth Century Britain, 1815-1900 (3) The political, economic, and social history of Great Britain and Ireland in the Victorian Age.

340. The New South, 1865-1946 (3) Reconstruction, the Bourbon era, agrarian revolt, industrial revolution, racial problems, and the changes resulting from the impact of two World Wars and the New Deal.

341. Germany since 1914 (3) The First World War, the Weimar Republic, the Third Reich, development of East and West Germany, and reunification.

344. History of Russia (3) Russia and the Soviet Union since 1900, including political, economic, social, and cultural developments.

351. Africa to 1800 (3) Traditional culture, early civilizations, rise of Islam, Sudanic empires, and the slave trade era.

352. Africa since 1800 (3) Commercial and religious revolutions of the 19th century, partition, colonial rule, post-independence, and South Africa.

356. History of China (3) The cultural, economic, social, and political development of China with emphasis on the transformation of traditional Chinese society from 1644 to the present.

357. History of India (3) The cultural, economic, social, and political development of India with emphasis on Hindu and Islamic influences, the rise of nationalism during the period of British rule, and post-independence India.

358. History of Japan (3) The cultural, economic, social, and political development of Japan with emphasis on the transformation of traditional Japanese society from 1600 to the present.

359. The Vietnam War (3) The causes, major events, and impact of the Vietnam War viewed in a cross-cultural context.

364. The Expansion of Europe to 1800 (3) European political, economic, and cultural expansion outside of Europe; the establishment of colonial and commercial empires.

365. The Expansion of Europe since 1800 (3) The era of free trade, the new imperialism, twentieth-century colonialism, the rise of nationalism, and independence.

399. Independent Study (1-6)

402. The New Nation, 1789-1828 (3) The new republic and the developing democratic spirit in politics and culture.

403. The Sections and the Nation, 1828-1860 (3) The cultures of the East, the South, and the West, their interactions, and the events leading to the Civil War.

404. Civil War and Reconstruction, 1860-1877 (3) The political, military, and social history of the war and the reorganization which followed.

405. The Rise of Industrial America, 1877-1917 (3) A survey of recent United States history with emphasis on the economic, social, and literary developments from 1877 to 1917.

406. The United States and a World at War, 1917-1945 (3) A survey of the political, economic, social, and cultural developments of the period.

407. United States History since 1945 (3) A survey of the political, economic, social, and cultural developments of the period after World War II.

411. History of South Carolina, 1670 to the Present (3) The origins and development of South Carolina from colonial times to the present with emphasis on the unique role the state played in the nation's history.

415. African-American History (3) The African background and the social, economic, political, and intellectual experiences in the United States.

420. Latin America, 1500-1830 (3) Indigenous cultures, the Spanish and Portuguese presence in the Caribbean, South America, and Mesoamerica through independence.

421. Latin America, 1830 to the Present (3) The national period after 1830, the struggles over political unity, social harmony, and economic growth.

431. Mexico since 1910 (3) The Mexican Revolution, modernization, one party democracy, and international debt.

493, 494, 495. Topics in History (3,3,3) Reading and research on selected historical subjects.

500. Senior Seminar (3) (= Government and International Studies 500) Exploration, at an advanced level, of issues, topics, and dilemmas in both the subject matter and the professions of history and government with emphasis on research and oral presentation of research findings. The specific topics covered in the course vary depending upon the instructor. Prerequisite: twelve hours of history at the 300-level or above, or consent of instructor. Interdisciplinary studies majors may meet prerequisites with twelve hours of history, government and international studies, or a combination, at the 300-level or above, or consent of instructor.

Japanese

See Foreign Languages.

Journalism (SJOU)

301. Survey of Mass Communications (3) Survey of the principles, philosophies, policies, and practices of the mass media with an overview of the print media, the broadcast media, and advertising/public relations. Prerequisite: English 102.

302. History of Journalism (3) The development of mass media from the colonization of America to the present. The interrelationships between print media and American social, cultural, economic, and political issues are explored, with some examination of how these interrelationships influenced the development of twentieth century non-print media. Prerequisite: English 102.

303. Law and Ethics of the Mass Media (3) South Carolina and federal law as it relates to mass communications, and the ethics of the journalistic profession.

310. Mass Media and Society (3) How mass media function and influence today's world. The interaction of mass media and contemporary culture is explored through an analysis of media examples. Prerequisite: English 102.

325. Speech for Radio and Television (3) (= Theatre and Speech 325) Principles, standards and skills for broadcast speech in varied formats. Focus areas include pronunciation, enunciation, rate of delivery, pitch, inflection, and use of appropriate terminology in scripted and ad lib delivery. Prerequisites: Theatre and Speech 140 and 240.

326. Motion Picture and Video Techniques (3) Production techniques used in preparing film and videotape. Prerequisite: Journalism 301.

328. Public Relations and Persuasion (3) An analysis of the influencing of public opinion by business, government, consumer groups, minorities, environmentalists, and others.

333. Newswriting and Reporting (3) Practices in print journalism. Using typewriters or word processors, students prepare copy in class against set deadlines. Prerequisites: Journalism 301 or consent of instructor, and typing proficiency.

334. Writing for Broadcasting (3) Writing commercials, news stories, interview programs, documentaries for radio, television and film. Using typewriters or word processors, students prepare copy in class against deadlines. Prerequisites: Journalism 301 or consent of instructor, and typing proficiency.

335. Advanced Newswriting and Reporting (3) Focus on producing specialized articles on topics selected from such areas as public or community affairs, business, science, sports, medicine, and education. Using typewriters or word processors, students prepare copy in class against set deadlines. Prerequisite: Journalism 333.

398. Special Topics in Journalism (3) A specific area or media field is explored relating to the professional responsibilities of the journalism student looking toward the career marketplace. Prerequisite: Journalism 301.

399. Internship or Independent Study in Mass Communication (1-3) Supervised professional experience or research outside of the classroom. A student may earn 1-3 hours credit. For three credit hours, a student is to work ten hours a week; for two credit hours, six hours a week; and one credit hour, less than six hours. For internship credit, a contract must be signed with the agency and the faculty supervisor. Prerequisites: Journalism 301, GPR 2.0 overall, 2.5 in journalism; and consent of faculty supervisor.

424. History of American Broadcasting (3) The American system of broadcasting, with emphasis on the chronological, structural, economic, social, and cultural development of radio and television. Prerequisite: English 102.

430. Radio and Telecommunications Management (3) Procedures, problems, and concerns relating to the administration and management of radio and television stations and systems. Prerequisite: English 102.

Logic (SLGC)

205. Introduction to Logic and Rhetoric (3) (= University 301) The identification and evaluation of reasoning as it occurs in natural language uses. The techniques of careful reading and clear writing are demonstrated through the production of critical essays. Two lecture and one laboratory hour per week. Prerequisite: English 102.

207. Deductive Logic (3) An examination of deductive arguments through the use of Aristotelian logic and propositional logic.

208. Inductive Logic (3) The nature of arguments expressing inductive inferences. Included are the problem of induction, the probability calculus, the logic of experimentation, statistical inference, and decision-making models. Prerequisite: Logic 205 or consent of instructor.

307. Advanced Symbolic Logic (3) Advanced study of formal logic using propositional logic and predicate calculus. Prerequisite: Logic 207 or consent of instructor.

Mathematics (SMTH)

Note: The appropriate entry level in mathematics is determined by the student's intended major and a mathematics placement examination given to all entering students.

Students who do not demonstrate competence equivalent to high school Algebra I on the mathematics placement examination should enroll in Mathematics 098. Those who demonstrate competence at the Algebra I level should enroll in Mathematics 099.

Majors in the natural or computer sciences or mathematics who (1) have completed three years of college preparatory mathematics and have demonstrated competence on the mathematics placement examination; or (2) have successfully completed Mathematics 099, should enroll in Mathematics 121, 123, or 125 as appropriate. Students who have demonstrated competence in college algebra can take Mathematics 123 to meet the calculus prerequisite. Those who need both college algebra and trigonometry have the option of taking Mathematics 121 and 123, or Mathematics 125. Upon successful completion of one of the precalculus options, students should enroll in Mathematics 141. Those who have completed four years of college preparatory mathematics, including trigonometry, and have demonstrated competence on the mathematics placement examination, should enroll in Mathematics 141.

Students not majoring in the natural or computer sciences, who have successfully completed high school Algebra I and II, and have demonstrated competence on the mathematics placement examination, should enroll as follows: Business Administration majors in the Mathematics 121, 122 sequence; Elementary Education majors in Mathematics 120 or 121, and Mathematics 301 in sequence; other majors in a course numbered 120 or above as determined by their advisors.

098. Algebra I (3) The real number system and its properties, polynomials, rational expressions, first degree equations and inequalities, exponents, roots, and radicals; the reading, analyzing, and solving of word problems. Students are required to take a departmental final exam. This course may not be used for degree credit.

099. Algebra II (3) Exponents, roots, radicals, linear and quadratic equations, inequalities, systems of equations, exponentials and logarithms, concepts of functions; the graphing of linear, quadratic, exponential, and logarithmic functions; the reading, analyzing, and solving of word problems. Students are required to take a departmental final exam. This course may not be used for degree credit.

120. College Mathematics (3) Basic concepts of elementary algebra, subsets of the Cartesian plane; rational, exponential, and logarithmic functions, arithmetic and geometric series; simple and compound interest, annuities; fundamentals of probability and statistics. Credit cannot be received for both Mathematics 120 and 121. Prerequisites: appropriate score on placement test and high school Algebra I and II; or Mathematics 099.

121. College Algebra (3) Equations and inequalities, graphing, polynomial, rational, exponential, logarithmic, and other functions; matrices and systems of equations. Credit cannot be received for both Mathematics 120 and 121. Prerequisites: appropriate score on placement test and high school Algebra I and II; or Mathematics 099.

122. Calculus for Management and Social Sciences (3) Derivatives and integrals of elementary algebraic, exponential and logarithmic functions; maxima, minima, rate of change, area under a curve, and volume. Problems and examples are drawn from a variety of areas which include economics, psychology, biology, geography, and geology. Prerequisite: Mathematics 120 or 121, or eligibility for exemption from Mathematics 121, or Mathematics 125.

123. College Trigonometry (3) Trigonometric functions of angles and real numbers, circular functions, trigonometric identities, solutions of equations and triangles, vectors, inverse trigonometric functions, complex numbers and polar coordinates. Appropriate score on placement test or 3 years of college preparatory mathematics.²

125. Precalculus Mathematics (4) Subsets of the real number line; polynomial, rational, absolute value, inverse, exponential and logarithmic relations and functions; conic sections; analytic trigonometry. Prerequisites: appropriate score on placement test and three years of college preparatory mathematics.

141. Calculus I (4) Brief review of real numbers, sets, inequalities, absolute value, elementary analytic geometry; functions, limits, continuity, the derivative, the definite integral, differentiation and integration with applications in the physical sciences and engineering. Prerequisites: appropriate score on placement test and four years college preparatory mathematics including trigonometry; or Mathematics 125.

142. Calculus II (4) Techniques of integration, applications of integration, improper integrals, infinite sequences and series, conic sections, vector algebra. Prerequisite: Mathematics 141.

174. Elements of Discrete Mathematics (3) Basic topics from the study of matrices, combinatorics, recursion, graphs, trees, finite automata, Boolean algebra, and formal languages. Prerequisite: high school precalculus mathematics, or Mathematics 125 or equivalent, or consent of instructor.

198. Seminar in Strategies of Problem Solving (1) An introduction to mathematical probing and experimentation in problem solving; the principle of mathematical induction, various strategies of problem solving emphasizing analysis, exploration, and verification of results. Attention is also given to the language and logic necessary for the communication of the solution of a problem. Prerequisite or corequisite: Mathematics 141.

1 Mathematics 121 and 123 can replace 125.

2 Mathematics 121 and 123 can replace 125.

201. Elementary Statistics (3) The fundamentals of modern statistical methods, descriptive and inferential statistics, probability and sampling; primarily for students in fields other than mathematics who need a working knowledge of statistics. Prerequisites: high school Algebra I and II, or equivalent.

241. Multivariable Calculus (4) Vector-valued functions; geometry of three dimensional space, curves in space; polar, cylindrical, and spherical coordinate systems; partial differentiation, multiple integration; vector calculus; introduction to differential equations. Prerequisite: Mathematics 142.

242. Elementary Differential Equations (3) Ordinary differential equations of first order, higher order linear equations, Laplace transform methods, series methods; numerical solutions of differential equations; applications to the physical sciences and engineering. Knowledge of FORTRAN or BASIC programming is desirable. Prerequisite: Mathematics 142.

301. Basic Concepts of Elementary Mathematics (3) The meaning of number, fundamental operations of arithmetic, the structure of the real number system and its subsystems, elementary number theory. Open only to students in early childhood and elementary education. Prerequisite: Mathematics 120 or 121 or consent of instructor.

302. Basic Concepts of Elementary Mathematics (3) Informal geometry and basic concepts of algebra. Open only to students in early childhood and elementary education. Prerequisite: Mathematics 301.

315. Statistical Methods I (3) Concepts and methods of statistics with emphasis on applications for those who desire a working knowledge of statistics; review of probability, sampling, and descriptive statistics; study of estimation of population parameters, testing statistical hypotheses, regression and correlation, and non-parametric statistical tests. Prerequisite: Mathematics 201, or Mathematics 141, or Economics 291, or Sociology 230, or Psychology 225, or consent of instructor.

350. Mathematical Structures and Proof (3) Topics in set theory, logic, elementary application of logic, methods of mathematical proofs, equivalence relations and partial orderings, functions and mappings, and number systems. Prerequisite: Mathematics 241.

399. Independent Study (1-9)

512. Probability and Statistics (3) Sample spaces and probability, conditional probability and independence, discrete and continuous random variables, probability distributions, expectations, correlation, sampling and sampling distributions, interval and point estimation, the law of large numbers, limiting distributions, and order statistics. Prerequisite: Mathematics 241.

516. Statistical Methods II (3) Experimental design, analysis of variance, analysis of covariance, multiple linear regression, and curvilinear regression. Prerequisite: Mathematics 315 or consent of instructor.

520. Differential Equations II (3) Approximate methods of solving first-order equations, Laplace transforms, the theory of first-order equations, the theory of linear differential equations, Sturm-Liouville problems and Fourier series, and nonlinear differential equations or partial differential equations. Prerequisite: Mathematics 242.

531. Foundations of Geometry (3) Geometry as a logical system based upon postulates and undefined terms; fundamental concepts and relations of Euclidean geometry developed rigorously on the basis of a set of postulates; some topics from non-Euclidean geometry. Prerequisite: Mathematics 241 or consent of instructor.

534. Elements of General Topology (3) Elementary properties of sets, functions, spaces, separation axioms, compactness, completeness, convergence, connectedness, embedding and extension theorems, metric spaces, and compactification. Prerequisite: Mathematics 241.

543. Algebraic Structures I (3) Sets, mappings, equivalence relations, elementary properties of semigroups, groups, rings, fields. Prerequisite: Mathematics 241 or consent of instructor.

544. Applied Linear Algebra (3) Matrix algebra, vector spaces, subspaces, basis and dimension, linear transformations, similarity of matrices, eigenvalues and eigenvectors, and diagonalization. Prerequisite: Mathematics 241 or consent of instructor.

550. Theory of Discrete Mathematics (3) Topics selected from theoretical Boolean algebra, algebraic structures, theory of computing, advanced set theory, and recursive functions. Prerequisite: Mathematics 241, or both 142 and 174.

552. Complex Variables (3) Complex numbers and functions, complex integration, Taylor and Laurent series, residues, and conformal mapping. Prerequisite: Mathematics 241.

554. Real Analysis I (3) Real number system; functions, sequences and series; limits; continuity; differentiation; metric spaces and topology. Prerequisite: Mathematics 241.

555. Real Analysis II (3) Properties of differentiable functions, implicit function theorem, inverse function theorem, and theory of integration. Prerequisite: Mathematics 554.

560. Numerical Analysis I (3) (= Computer Science 560) Difference calculus; direct and iterative techniques for matrix inversion; eigenvalue problems; numerical solutions of initial value problems in ordinary differential equations; stability; error analysis; laboratory applications. Prerequisites: Mathematics 242, 544, and programming competency.

598. Topics in Mathematics (3) Intensive study in an area of pure or applied mathematics such as mathematical modeling. Topics are selected to meet current faculty and student interest. Prerequisite: Mathematics 241.

599. Seminar in Mathematics (3) Recent developments in pure and applied mathematics at an advanced level; ethical issues; and experience in research and oral presentation. Prerequisite: consent of instructor.

Military Science (SMIL)

Note: Military Science offers a Basic Program and an Advanced Program. Satisfactory completion of six semester hours in the Basic Program, 90 contact hours in ROTC activities, substitute military experience, or three years of JROTC may qualify the student for the Advanced Program. Successful completion of the Advanced Program, together

with a college degree, qualifies the graduate for either a Reserve or Regular commission as a Second Lieutenant in the United States Army. Advanced Program students are required to participate in the weekly Military Science Lab. Students in the Basic Program are encouraged to participate in the department's adventure training.

Basic Program

111. Introduction to ROTC and Marksmanship (1) Orientation of students to military rank structure and army organization, as well as an introduction to basic rifle marksmanship, assembly and disassembly of military weapons, rifle range safety, and familiarization with selected weapons currently used by the U.S. Army. Laboratory at instructor's discretion.

112. Introduction to ROTC and Mountaineering (1) Understanding the military system, the Army's role in conjunction with the National Guard and Reserve, and the Soviet threat. Mountaineering skills are introduced. Laboratory required.

211. Basic Military Skills I (2) Fundamentals of first aid; communications; nuclear, chemical, and biological warfare; and leadership. Laboratory required.

212. Basic Military Skills II (2) Physical readiness training, basic map reading, U.S. Army weapons, military aircraft, and marksmanship. Laboratory required.

Advanced Program

301. Military Science (3) Map reading and navigation; identification of the duties of each member of a rifle squad; the techniques used in tactical movement; the operation of equipment found in a platoon; basic first aid to include CPR. and nuclear, biological, and chemical (N.B.C.) treatment; and communications training to include radio-telephone procedures for PRC-77 Radio, TA-312 telephone, and C.E.O.I. Laboratory required.

302. Military Science (3) Nuclear, biological, and chemical treatment, first aid, communications, L.A.W., Claymore, calls for fire, M16, M60, and P.O.W. processing. Branches of the Army are presented, map reading is reviewed and pre-camp briefings are conducted. Laboratory required.

401. Military Science (3) The U.S. Army training management system, ethics and professionalism, command and staff functions, military briefings, the information paper, military justice, the law of war, and Army logistics. Students plan and conduct weekly leadership laboratories and a field training exercise for Military Science 301 students. Laboratory required.

402. Military Science (3) Personnel management, counseling, military correspondence, planning of meetings, military intelligence, Army customs and courtesies, training management, and 20th century American military history. Students plan and conduct weekly leadership laboratories and two field training exercises for Military Science 302 students. Laboratory required.

Music

Music Education (SMUE)

454. Music for Young Children (2) The integration of music into the early childhood and elementary curriculum; and music as an approach to personal expression, cultural heritage, aesthetic perception, and critical analysis. Two lecture and one laboratory hour per week.

Music History and Literature (SMUS)

110. Introduction to Music (3) Comprehensive appreciation of music through intelligent listening to representative masterpieces of the various periods of musical composition. Music is correlated to other arts and suitable books and musical materials are recommended for teachers. No previous study of music is required. Three class and one laboratory hour per week.

Note: Elective credits for participation in Gospel Music Workshop, University Chorus, and/or Contemporary Music Workshop may be counted up to a maximum of 4 semester hours.

128. Gospel Music Workshop (1) The directed performance of traditional and contemporary gospel music. No audition or prior experience is necessary.

129. University Chorus (1) Large or mixed choir. No audition or previous experience necessary.

130. Contemporary Music Workshop (1) Performance activities for instrumentalists, vocalists, composers, and arrangers.

155, 156, 157, 158. Group Piano (2,2,2,2) Piano technique including sight-reading, rhythmic studies, and piano literature from simple to advanced. The individual needs of students are considered in the levels of materials studied and performed.

165, 166, 167, 168. Class Voice (2,2,2,2) Vocal technique including tone production, diaphragmatic breathing, technical studies, and song literature. The individual needs of students are considered in the levels of material assigned and performed.

301. Selected Topics in Music (3) Reading and research on selected topics in music.

Nursing

Associate Nursing (SANU)

131. Fundamentals of Nursing (6) Fundamental concepts and technical skills are developed and various community health agencies are used for clinical experience. Three class hours and nine laboratory hours per week.

133. Nursing in Health Maintenance and Family Development (8) Physiological, psychological, sociocultural, and spiritual needs as they relate to the family unit. Focus is on the normal aspects of maternal, newborn, and gynecological health with considera-

tion given to complications. The threads of nursing process and pharmacology are also emphasized in this course. Clinical nursing experiences and observations are provided through hospitals and other community agencies. Four class hours and twelve laboratory hours per week. Prerequisite: SANU 131, Biology 232. Corequisite: Biology 242.

134. Introduction to Nursing in Physical and Mental Illness (3) Nursing care of the patient with needs related to normal fluid and electrolyte balance, the perioperative period, and oncological problems. Clinical learning experiences are provided in hospital settings. Prerequisites: Associate Nursing 131, Associate Nursing 133, Biology 232, and Biology 242.

231, 232. Nursing in Physical and Mental Illness I & II (9,9) Major physical and mental health problems, acute and long-term, occurring among children and adults with current methods of treatment as these affect and raise implications for nursing practice. Clinical nursing experiences are provided through hospitals, clinics, and other community agencies. Five class hours and twelve laboratory hours per week. Prerequisite: Associate Nursing 134.

234. Contemporary Issues in Nursing (3) The profession of nursing, career opportunities; patterns of organized nursing services; legal, professional, and ethical nursing problems; and the nurse's responsibility to the profession and society. Prerequisite: ADN sophomore standing.

Baccalaureate Nursing (SBSN)

Note: SBSN 201, 202, and 390 are open to all students.

201. Normal Nutrition (3) The normal nutritional needs of client systems including basic good groups, nutrients, differing requirements throughout the life span, factors related to nutritional practices, and health promotion strategies. Prerequisite: Chemistry 102 or consent of instructor.

202. Pharmacology (3) Therapeutic effects of medication on the client system, including principles of drug action and effects with emphasis on pharmacotherapeutics, drug dosage computation, and drug administration. Prerequisite or corequisite: Biology 232.

210. Nursing Appraisal (2) Theory, techniques, and expansion of nursing assessment to include a beginning proficiency in obtaining a client history and performing nursing appraisal of the healthy individual system. Normal findings and selected common variations are explored. Prerequisite: Sophomore standing in nursing. Corequisite: SBSN 210L, 241, 241L, or consent of instructor.

210L. Nursing Appraisal Practicum (1) Application of theory and techniques of nursing appraisal skills used in comprehensive assessment of healthy individual systems. Detection and description of normal findings and selected common variations are included. Two campus laboratory hours per week. Corequisite: SBSN 210.

241. Strategies for Nursing Action I (3) An introduction to strategies for nursing action with adult client systems having minor or chronic health problems. Included are theories, principles, and skills necessary for application of the nursing process to assist client systems meet their basic needs. Prerequisite: SBSN 201, 202, Chemistry 102, Biology 232. Prerequisite or corequisite: Biology 242. Corequisite: SBSN 210, 210L, 241L.

241L. Strategies for Nursing Action I Practicum (3) Application of the nursing process in the delivery of nursing care with adult client systems having minor or chronic health disequilibriums. Campus laboratories provide the arena for acquisition of knowledge and psychomotor skills, and selected health care settings provide for the application of knowledge and skills to direct nursing care. Six laboratory hours per week. Corequisite: SBSN 241.

321. Concepts of Professional Nursing (3) Introduction to systems theory, family theories, nursing theories, nursing process system, roles, and professional practice issues as they relate to health equilibriums of individual and family systems. Prerequisite: admission to the RN completion track. Prerequisite or corequisite: NLN Mobility Profile II Exams, SBSN 210, 210L, and 290.

331. Strategies for Nursing Action II (3) An exploration of selected acute and chronic health disequilibriums of adult client systems using the nursing process system. Prerequisite: junior standing in nursing. Prerequisite or corequisite: Biology 330. Corequisite SBSN 331L.

331L. Strategies for Nursing Action II Practicum (3) Application of the nursing process system with adult client systems having acute or chronic health disequilibriums that require medical or surgical intervention. Six laboratory hours per week. Corequisite: SBSN 331.

341. Strategies for Nursing Action III (3) Use of nursing process system to assist parent, child, and family systems to achieve and/or maintain dynamic health equilibrium. Systems theory, theories and trends relative to parent-child and family nursing, the normal childbirth process, growth and development parameters and needs, health promotion strategies, and nursing process system for client systems with selected health needs and disequilibrium are explored. Prerequisite: junior standing in nursing, SBSN 331, 331L. Prerequisite or corequisite: Psychology 302, Biology 330. Corequisite: SBSN 341L.

341L. Strategies for Nursing Action III Practicum (3) Application of the nursing process with parent, child, and family systems in selected health care settings. Six laboratory hours per week. Corequisite: SBSN 341.

390. Seminar in Self-perception (3) Historical and contemporary self-perception theories related to awareness of self through bodily states, behavior, and interaction with other systems. Group dynamic and group process theory serve as models to examine small group interactions. Prerequisite: junior standing, Psychology 101, Psychology 302, or consent of instructor.

431. Strategies for Nursing Action IV (3) Expansion of decision making in the use of the nursing process system with client systems experiencing life-threatening disequilibriums. Prerequisite: senior standing in nursing and Biology 370. Corequisite: SBSN 431L.

431L. Strategies for Nursing Action IV Practicum (3) Application of the nursing process with individual client systems experiencing life-threatening health disequilibriums in critical care settings. Six laboratory hours per week. Corequisite: SBSN 431.

441. Dynamics of Psychiatric Community Mental Health Nursing (3) Exploration of the mental health disequilibriums of community client systems with emphasis on the therapeutic nurse-client relationship, selected mental health disequilibriums, and

theories and principles of psychiatric mental health nursing practice. Promotion of mental health and prevention of mental illness are stressed. Prerequisite: senior standing in nursing. Corequisite: SBSN 441L.

441L. Dynamics of Psychiatric Community Mental Health Nursing Practicum (3) Application of the nursing process system, knowledge, and skills with community client systems experiencing real or potential mental health disequilibriums in selected health care and community settings. Six laboratory hours per week. Corequisite: SBSN 441.

450. Leadership in Nursing Practice (3) Principles of leadership and management as they relate to the role of the professional nurse as provider of client care services with emphasis on systems, management, nursing theories, and the collaborative roles of the generalist professional nurse. Prerequisite: senior standing in nursing.

461. Dynamics of Family and Community Health Nursing (3) Use of the nursing process system with community client systems across the life span. Theory related to health care delivery systems, concepts of community health, and major community health equilibriums are explored. Prerequisite: senior stand in nursing and Biology 370. Corequisite: SBSN 461L.

461L. Dynamics of Family and Community Health Nursing Practicum (4) Application of the nursing process system with community client systems, across the life span, in selected community settings. Eight laboratory hours per week. Corequisite: SBSN 461.

490. Nursing Practice: Search and Research (3) Introduction to basic terminology, methods, and elements of research with emphasis on the application of research findings to professional nursing practice. Critical thinking process is used in critiquing selected nursing research studies and in developing a research proposal. Prerequisite: senior standing in nursing or consent of instructor. Prerequisite or corequisite: Psychology 225 or Sociology 220 or Mathematics 201.

499. Senior Seminar (2) A synthesizing experience which fosters integration of knowledge at an advanced level through examination of ethical, legal, and professional issues and their impact on nursing and health care systems. Prerequisite: senior standing in nursing or consent of instructor.

Philosophy (SPHL)

102. Introduction to Philosophy (3) Introduction to the main problems of philosophy and its methods of inquiry, analysis, and criticism. Works of important philosophers are read.

201. History of Ancient Philosophy (3) Introduction to the development of philosophy in the ancient world.

202. History of Modern Philosophy (3) Introduction to the development of post-Renaissance philosophy with primary emphasis on the seventeenth and eighteenth centuries.

211. Contemporary Moral Issues (3) Moral issues confronting men and women in contemporary society. Topics vary but may include discussion of problems related to abortion, drugs, euthanasia, war, social engineering, and punishment of criminals.

309. Philosophy of Mind (3) A study of traditional problems pertaining to understanding the concept of mind, for example, the mind-body relation, personal identity, and theories of consciousness.

310. Ethics for the Professions (3) Critical examination of selected moral issues and problems of current concern within the professions. Specific topics for study vary, but they are of special interest for the fields of medicine and health care, law and criminal justice, business, education, and journalism.

311. Ethics (3) The moral principles of conduct and the basic concepts underlying these principles, such as good, evil, right, wrong, justice, value, duty, and obligation. The ethical works of influential philosophers are analyzed in terms of these concepts.

319. Epistemology (3) The nature and foundations of knowledge with consideration of skepticism and problems of perception.

390. Topics in Philosophy (3) Selected topics in philosophy, planned around areas of interest. Prerequisite: junior or senior standing or consent of instructor.

Physical Education (SPED)

101. Introduction to Physical Education (3) The scope of the physical education field, historical background, principles, philosophy, current issues, professional leadership and publications.

Note: Elective credits for participation in physical education activity courses may be counted up to a maximum of 4 semester hours.

105. a,b,c,d,e,f Activity Courses for the Non-Major (1) (a) physical activities for children, (b) swimming and water safety, (c) individual and dual sports, (d) folk, square, and social dance, (e) gymnastics and tumbling, (f) team sports. Pass-fail credit.

120. Fundamentals of Movement and Body Conditioning (1) Development and improvement of basic axial and locomotor movements as they pertain to physical education activities with emphasis on agility, flexibility, strength, and endurance through body conditioning. A fundamental knowledge of various fitness programs and terminology is included. Pass-fail credit.

121. Golf and Bowling (1) Skill development, playing strategy, knowledge of rules, scoring, and tournament play. Pass-fail credit.

122. Tennis and Badminton (1) Skill development, playing strategy, knowledge of rules, scoring, and tournament play. Pass-fail credit.

125. Combatives (1) Skill development, strategy, knowledge of rules, scoring, and tournament competition in wrestling, judo, karate, and boxing. Pass-fail credit.

126. Soccer and Track and Field (1) Skill development, strategy, knowledge or rules, scoring, and meet direction. Pass-fail credit.

127. Handball and Racquetball (1) Skill development, playing strategy, knowledge of rules, scoring, and tournament play. Pass-fail credit.

128. Aerobics (1) Participation and development of impact and low-impact aerobic routines. Selection of exercises and music are included.

130. Modern Dance (1) Skill development in modern, interpretive and jazz dance with emphasis on terminology, dance props, costuming, artists, and dance. Pass-fail credit.

140. Adult Recreational Sports (1) Methods and materials for teaching activities of carry-over value adaptable to junior and senior high facilities. Such activities as boating, fishing, hunting, camping, backpacking, skiing, and recreational games are included. Pass-fail credit.

150. Beginning Gymnastics and Tumbling (1) Skill development, safety, scoring, and an introduction to competitive routines. Pass-fail credit.

160. Flag Football, Basketball, Softball (1) Skill development, playing strategy, knowledge of rules, and scoring. Pass-fail credit.

163. Field Hockey and Volleyball (1) Skill development, playing strategy, knowledge of rules, and tournament play. Pass-fail credit.

180. Swimming (1) Skill development, basic strokes, elementary diving, knowledge of water and pool safety. Pass-fail credit.

201. Teaching of Physical Education (3) Orientation to teaching physical education in grades 6-12. Emphasis is on teaching styles, methods and curriculum. A one hour per week practicum is required. Prerequisite: Physical Education 101.

210. Physical Activities for Children (1) Games for low-level organization, lead-up games, relay games, tumbling, and rhythms.

242. Principles of Recreation (3) The significance and meaning of leisure in modern society, theories of play, the recreational movement in the U.S., and programs of recreation in the school, community, and industry.

265. Officiating of Sports (3) Rules, officiating techniques, and problems arising in officiating, with emphasis on major team sports. Students are encouraged to obtain official's rating.

270. Introduction to Athletic Training (2) Safety precautions, injury prevention, and legal issues in physical education and athletics. Prerequisite: Health Education 170.

280. Swimming and Water Safety (1) The teaching of swimming and water safety, skill mastery, lifesaving, pool hygiene, management, and safety. For advanced swimmers.

315. Physical Education for the Elementary School Teacher (2) Skills and methods of teaching; the selection and inclusion of suitable activities, such as story plays, games, stunts, relays, and rhythmical activities; and the integration of physical education with other subjects. Ten hours of public school teaching experiences provided. Prerequisite: Foundations of Education 333.

320. Individual and Dual Sports (2) Skills analysis, methods, and techniques for organizing and teaching tennis, badminton, golf, bowling, and other individual and dual sports. Prerequisites or corequisites: Physical Education 101, minimal skills competency, and consent of instructor.

330. Folk, Square, and Social Dance (2) Basic steps, terminology, sequence of movement, and methods and techniques for teaching folk, square, and social dance. Opportunities for teaching experience. Prerequisites or corequisites: Physical Education 101 and consent of instructor.

350. Gymnastics and Tumbling (2) Skills analysis, methods, and techniques for organizing and teaching tumbling apparatus and free floor gymnastics with emphasis on safety, sporting techniques, and skill progressions. Prerequisites or corequisites: Physical Education 101, minimal skill competency, and consent of instructor.

360. Team Sports (2) Skills analysis, methods and techniques for organizing and teaching soccer, field hockey, volleyball, and other team sports. Prerequisites or corequisites: Physical Education 101, minimal skill competency, and consent of instructor.

390. Field Experience (1-3) School or community experiences related to aspects of physical education. Prerequisites: sophomore standing and consent of advisor, instructor, and dean.

399. Independent Study (1-3) Topics assigned and approved by advisor, instructor, and dean.

400. Exercise Physiology (3) Physiological principles as applied to muscular activity and the effects of muscular activity on the human organism. Two class and three laboratory hours per week.

401. Kinesiology (3) Analysis of the functions of the skeletal, joint and muscular systems, with emphasis on the mechanics of movement in human performance. Prerequisites or corequisites: Biology 232 and 242.

402. Biomechanics (3) Theory and techniques for analyzing motor performance, including cinematography, segmental analysis, and fundamentals of physical skills based on the laws and principles of mechanical and neuromuscular action. Two class and three laboratory hours per week.

403. Organization and Administration of Intramural and Extramural Activities (3) The planning, coordinating, philosophy, finance, facilities, organization, and awards for intramural and extramural sports programs.

479. Directed Teaching in Physical Education (12) A supervised clinical experience consisting of seven weeks in an elementary school and seven weeks in a secondary school. There are six two-hour seminars and one day-long seminar which include the exploration of ethical issues, experiences in research through the analysis and evaluation of teaching, and oral presentation of research results. Prerequisite: approval of the Teacher Education Admissions Committee. Pass-fail credit.

545. Measurement and Evaluation of Physical Education (3) History, basic statistical techniques utilized in scoring and interpreting tests, evaluation of measures now available in the field, and the administration of a testing program. Prerequisites: Mathematics 201 or Psychology 225 or Sociology 220, fifteen hours in physical education theory courses and six hours of technique courses.

553. Organization and Administration of Physical Education (3) Organization and management of instructional, intramural, interscholastic, and recreational programs,

with emphasis on criteria for the selection and evaluation of activities. Prerequisites: fifteen hours in physical education theory courses and six hours of technique courses.

562. Physical Education for the Exceptional Child (3) Programs of developmental activity and guidance for students with restrictive disabilities. Included are techniques for appraising students with faulty body mechanics, orthopedic defects, and other atypical physical conditions along with methods of handling, within the regular physical education class, the various handicaps commonly found in the schools. Prerequisites: Biology 232. Prerequisite or corequisite: Physical Education 400.

590. Research Methods in Physical Education (3) Methods and tools of research in physical education utilizing research publications in the field and through engaging in original research. Prerequisites: eighteen hours in professional physical education including Physical Education 101 and 545.

Physics (SPHS)

101, 102. Introduction to Physical Science I & II (3,3) Introduction to the concepts, ideas, and methods of physical science with emphasis on the principles of classical and modern physics and chemistry. Need not be taken in sequence.

101L. Introduction to Physical Science I Laboratory (1) Experiments, exercises, and demonstrations to accompany Physics 101. Prerequisite or corequisite: Physics 101.

201, 202. General Physics I & II (4,4) Mechanics, heat, sound, wave motion, electromagnetism, optics, and modern physics. Three class, one recitation, and two laboratory hours per week. Prerequisite for 201: Mathematics 125 or consent of instructor. No previous background in physics is assumed. Prerequisite for 202: Physics 201.

211, 212. Essentials of Physics I & II (4,4) Mechanics, heat, wave motion, electromagnetism, optics, and modern physics taught from a calculus level. Three class, one recitation, and two laboratory hours per week. Prerequisite for 211: Mathematics 141. Prerequisite for 212: Physics 211.

Political Science

See Government and International Studies.

Psychology (SPSY)

Note: Psychology 101 is a prerequisite for all other psychology courses unless otherwise specified.

Courses at the 300-level are survey courses of basic content areas of psychology. As the purpose of these courses is to introduce students to a broad range of information, a lecture format is employed generally. In addition to textbook assignments, students are introduced to articles in scientific journals. Assessment usually includes objective and essay exams, as well as brief papers.

There are two types of courses at the 400-level. Psychology 402, Experimental Topics in Psychology, focuses on experimental methodology applied to a previously encountered

content area. The topic covered changes each semester and is listed in the course schedule. Prerequisites are Psychology 224, 225 (or a statistics course) and the 300-level course corresponding to the topic covered, or consent of the instructor. The remaining courses at the 400-level focus on more specialized content areas than those presented at the 300-level. Students should see course descriptions for specific prerequisites.

Courses at the 500-level focus on integration and critical analysis of theories and pertinent research data. The general prerequisites for all 500-level courses are Psychology 224 and 225 (or a statistics course) or consent of instructor. Students are expected to actively participate in classroom discussions. Assessment relies heavily on essay exams, comprehensive research papers, or both.

101. Introduction to Psychology (3) Survey of major topics in psychology (learning, perception, motivation, intelligence, etc.) and an introduction to methods used in psychological investigation.

224. Introduction to Experimental Psychology (4) Introduction to research methods for the study of behavior. Lectures, class discussion, and laboratory exercises drawn from diverse areas of psychology are used to provide practical knowledge and skill in data analysis, experimental design, and writing technical reports. Prerequisite: Psychology 101.

225. Psychological Statistics (3) (= Sociology 220) statistical principles, including measures of central tendency, variance, relative standing, probability, techniques of regression and correlation, statistical hypothesis testing, analysis of variance and non-parametric statistics with applications in the social sciences. Prerequisites: Psychology 101, Mathematics 099 or higher, Psychology 224, or consent of instructor.

302. Developmental Psychology (3) Introduction to life span developmental psychology providing an overview of cognitive, social, emotional, and physical development from conception to senescence. Prerequisite: Psychology 101 or Foundations of Education 335.

303. Psychology of Learning and Memory (3) Introduction to basic principles and theories of learning and memory including such topics as habituation, classical and instrumental conditioning, verbal learning, social learning theory, behavior modification, and modeling. Prerequisite: Psychology 101 or consent of instructor.

305. Sensory Processes (3) The physical (nonsocial) dimensions of environments and its effects on behavior. Prerequisite: Psychology 101 or consent of instructor.

307. Social Psychology (3) The principles governing human interaction including factors such as group dynamics, leadership, prejudice, and propaganda. Prerequisite: Psychology 101 or consent of instructor.

308. Physiological Psychology (3) Basic neural and endocrine processes and their correlation with behavior. Prerequisite: Psychology 101 or consent of instructor.

309. Psychology of Personality (3) The major theories of personality and the factors involved in the development of personality. Prerequisite: Psychology 101 or consent of instructor.

310. Abnormal Psychology (3) The nature of mental and emotional disorders including such topics as theories of emotional disorders and the causes and treatment of various disorders. Prerequisite: Psychology 101 or consent of instructor.

311. Industrial and Organizational Psychology (3) Survey of the theoretical and empirical foundations of human behavior in industries and organizations. Special consideration is given to applied problems as they relate to improving relationships between individuals and organizations. Prerequisite: Psychology 101 or consent of instructor.

330. Applied Psychology (3) Introduction to the practical applications of psychology in such areas as mental health, industry, schools, law enforcement, and advertising. Prerequisite: Psychology 101 or consent of instructor.

350. Psychology of Adjustment (3) The process by which people adjust to the demands made upon them as a result of living with others. Basic processes of motivation and learning are examined, especially as these relate to the acquisition of the mechanisms of adjustment. Prerequisite: Psychology 101 or consent of instructor.

399. Independent Study (3-6) The student, in conjunction with a psychology faculty member, plans an individualized study program.

400. Topics in Psychology (3) Survey of a selected topic planned around a faculty or student area of interest. Prerequisite: Psychology 101.

402. Experimental Topics in Psychology (4-8) The formation of testable hypotheses, research strategies, data collection and analysis, critical evaluation and scientific documentation as applied to a particular content area in psychology (for example, development, learning and memory, social, physiological, personality, industrial and organizational). Laboratory experiences are an integral part of this course. Prerequisites: Psychology 101, 224, 225 (or a statistics course) and corresponding 300-level course, or consent of instructor.

417. Psychological Tests (3) Theory, development, and application of intelligence, achievement, aptitude, and personality assessment measures. Prerequisite: Psychology 225 or consent of instructor.

418. Psychology of the Exceptional Child (3) Causes, characteristics, and guidance needs of exceptional children including such topics such as mental deficiency, physical handicaps, and the unusually bright child. Prerequisite: a course in the area of child psychology or development.

419. Psychology of the Mentally Retarded (3) The nature and causes of mental retardation and the behavior and potentialities of retarded children. Prerequisite: a course in the area of child psychology or child development.

420. Psychology of Men (3) Investigation of the male role in society today, with an overview of the historical forces which have influenced the biological, cultural, social, cognitive, emotional, and sexual aspects of the male role. Prerequisite: Psychology 101 and a 300 level course or permission of the instructor.

421. History and Systems of Psychology (3) Historical roots of modern psychological theories and a survey of various present-day approaches. Prerequisites: Psychology 101.

450. Undergraduate Practicum in Psychology I (3) Introduction to the acquisition of minimal technical competence in interviewing, observational techniques, report writing, data analysis, and ethical issues, including a brief introduction to operant measure. Prerequisites: Psychology 101 and consent of instructor.

460. Human Sexual Behavior (3) Psychological, physiological, and sociological factors in human sexual behavior and attitudes. Prerequisites: junior or senior standing, Psychology 101, or consent of instructor.

502. Senior Seminar: Special Topics in Psychology (3-6) Selected topics in psychology planned around areas of faculty interest and competence. Prerequisites: Psychology 101, 224, 225 (or a statistics course), or consent of instructor.¹

503. Senior Seminar: Child Psychology (3) Cognitive, social, emotional, and physical development of children from preschool age to adolescence. Prerequisites: Psychology 101, 224, 225 (or a statistics course), Psychology 302, or consent of instructor.¹

505. Senior Seminar: Psychology of Adolescence (3) Cognitive, social, emotional, and physical development during the period of adolescence. Prerequisites: Psychology 101, 224, 225 (or a statistics course), Psychology 302, or consent of instructor.¹

506. Senior Seminar: Maturity and Aging (3) Cognitive, social, emotional, and physical development in the adult years. Prerequisites: Psychology 101, 224, 225 (or a statistics course), Psychology 302, or consent of instructor.¹

510. Senior Seminar: Abnormal Behavior in Children (3) Theories of child behavior problems, descriptions of types of disorders, and assessment methods of intervention in the home, school, and residential treatment centers. Prerequisites: Psychology 101, 224, 225 (or a statistics course), Psychology 302, or consent of instructor.¹

512. Senior Seminar: Theories of Counseling and Psychotherapy (3) The different approaches to counseling and psychotherapy with emphasis upon both theory and technique. Prerequisites: Psychology 101, Psychology 224, 225 (or a statistics course), Psychology 309, or consent of instructor.¹

540. Senior Seminar: Cognitive Processes (3) Experimental approaches to cognitive processes including data and theory relating to attention, intelligence, cognitive growth,

¹ This course focuses on integration and critical analysis of psychological theories and pertinent research data, and it explores moral issues in psychology. Assessment relies on essay exams, comprehensive research papers, and oral presentations.

problem solving, and concept formation. Prerequisites: Psychology 101, 224, 225 (or a statistics course), or consent of instructor.¹

542. Senior Seminar: Psychology of Women (3) The biological and cultural antecedents of women's roles, present day status, experiences of women, and the potential for women through alternatives to present day lifestyles, and methods of change. Prerequisites: Psychology 101, 224, 225 (or a statistics course), or consent of instructor.¹

545. Senior Seminar: Attitudes (3) Attitude theory, measurement, and change emphasizing the assessment and change of attitudes in applied settings such as industries, health organizations, correctional, and educational institutions. Prerequisites: Psychology 101, 224, 225 (or a statistics course) and Psychology 307, or consent of instructor.¹

Recreation (SREC)

101. Introduction to Recreation (3) Introduction to the concepts of recreation and leisure, its history, the evolution of recreation, an overview of professional preparation, assistance in the development of personal uses of leisure, and a survey of the recreation profession and organizations: commercial, government, and voluntary.

201. Programming in Recreation (3) Planning recreation and leisure activities through the use of human and material resources in public, private, and commercial recreation programs for all age levels. Activities include: sports, arts and crafts, cultural and performing arts, social functions, outdoor activities, and hobbies. Prerequisite: Recreation 101.

301. Administration of Recreation (3) The organization, administration, supervision, planning, budgeting, and evaluation of recreational operations within most types of recreational agencies. Prerequisites: Recreation 101 and 201.

401. Leisure and Aging (3) Practical application of principles in the provision of leisure and recreation services to the aging population focusing on individual needs, the process of program planning for the aging, resource development, and application strategies. Models are taken from successful programs in international, national, state, local and institutional settings. Prerequisites: Recreation 101 and 201.

462. Recreation for Selected Populations (3) Practical application of principles in the provision of recreation services to populations limited in access to normal recreation programs. Focus is on individual populations and the respective barriers to participation, the process of program planning and resource development, and the practical experience of plan application. Prerequisite: junior standing.

- 1 This course focuses on integration and critical analysis of psychological theories and pertinent research data, and it explores moral issues in psychology. Assessment relies on essay exams, comprehensive research papers, and oral presentations.

480A. Internship: Aquatics (6) Guided practical experience in an elected, organized recreational setting giving on-site experience in planning, executing, and evaluating recreational programs within an aquatic setting. Prerequisite: junior standing.

480B. Internship: Community/Organizations (6) Guided practical experience in an elected, organized recreational setting giving on-site experience in planning, executing, and evaluating recreational programs within community and organizational settings. Prerequisite: junior standing.

480C. Internship: Industrial (6) Guided practical experience in an elected, organized recreational setting giving on-site experience in planning, executing, and evaluating recreational programs within an industrial setting. Prerequisite: junior standing.

485. Senior Seminar (1) The integration of knowledge of recreation and individual professional activity at an advanced level utilizing research, oral presentation, a series of discussions, conferences, and role-playing experiences related to the various aspects of organized recreation as a career. Internships, employment opportunities, ethical issues, and other related topics are reviewed.

Sociology (SSOC)

Note: Sociology 101 is prerequisite to all other sociology courses.

101. Introductory Sociology (3) Introduction to sociological facts and principles, analysis of group-making processes and products.

220. Elementary Statistics for Sociologists (3) (= Psychology 225) Fundamental statistical principles, including measures of central tendency, variance, relative standing, probability, techniques of regression and correlation, statistical hypothesis testing, analysis of variance and nonparametric statistics with applications in the social sciences. Prerequisites: Sociology 101, Mathematics 099 or higher, or consent of instructor.

300. Social Structures (3) Selected theoretical orientations, methodological procedures, and illustrative substantive data pertaining to social structures. Prerequisite: Sociology 220 or equivalent course in quantitative methods.

305. Sociology of the Family (3) Sociological perspectives related to various aspects of family behaviors, roles, and values.

308. Community Organization (3) Analysis of the formal and informal organization, the interrelationships among public and private agencies, and means through which community action programs are initiated, coordinated, and maintained.

309. Introduction to Social Inequality (3) Sociological analysis of the distribution of wealth and income in selected societies.

310. Social Demography (3) Selected theoretical orientations, methodological procedures, and illustrative substantive data pertaining to population. Prerequisite: Sociology 220 or equivalent.

315. Introduction to the Study of Population (3) (= Geography 340) Births, deaths, migration and the distribution of human populations, and the analytical methods used in the study of each of these topics.

320. Individual and Society (3) Selected theoretical orientations, methodological procedures, and illustrated substantive data pertaining to the relations between the individual and society. Prerequisite: Sociology 220 or equivalent.

340. Introduction to Social Problems (3) (= Criminal Justice 340) Analysis of social norms, deviation from norms, and consequences for social order and change including mental disorders, juvenile delinquency, crime, drug abuse, alcoholism, suicide, sexual pathology, race and ethnic relations, world population crises, work problems, and other current public concerns.

350. Sociology of Delinquent Youth Behavior (3) (= Criminal Justice 351) Social factors in the development, identification, and treatment of delinquents.

351. Urban Sociology (3) Analysis of urban trends, characteristics, and functions of cities with reference to the social psychological factors in urban living. Attention is directed to the emergence of urbanism in the United States, with particular reference to the Southern region, and to institutions, problems, and city planning.

353. Sociology of Crime (3) (= Criminal Justice 341) Social factors in the development, identification, and treatment of criminals.

355. Minority Group Relations (3) (= Criminal Justice 355) Theories, methods, and substantive issues in majority-minority group relations and social processes, as well as cultural orientations associated with racial and ethnic differentiation.

380. Sociology of Women (3) A sociological analysis of women's status in American society, focusing on women's experiences in the family, economy, polity, and education. Prerequisite: Sociology 101 or consent of instructor.

399. Independent Study (3-6) An individualized study program planned in conjunction with a sociology faculty member. Prerequisite: Sociology 101 or consent of instructor.

455. Sociology of Aging (3) Analysis of aging as a process of socialization, the status of older people in society, demographic aspects of aging, and the impact of aging upon social institutions. Prerequisite: Sociology 101 or consent of instructor.

460. Sociology of Mental Health (3) Social factors in the development, identification, and treatment of mental illnesses.

497. Sociological Research Methods (3) Critical analysis of major methods used in the conduct of social science research with classroom exercises to provide practical knowledge and experience in sociological methods. Prerequisite: Sociology 101, junior level standing, or consent of instructor.

498. Sociological Theory (3) Philosophical and historical influences on, and contemporary orientations in sociological theory. Prerequisite: Sociology 101 or consent of instructor.

500 Senior Seminar: Special Topics in Sociology (3) Selected topics in sociology planned around areas of faculty interest and competence. Prerequisites: Sociology 101, 220 (or a statistics course), 497, 498, or consent of instructor.¹

502. Senior Seminar: Political Sociology (3) Theory and research concerning the interrelationship between political institutions and social structures. Prerequisites: Sociology 101, 220 (or a statistics course), 497, 498, or consent of instructor.¹

506. Senior Seminar: Social Organization (3) Selected theoretical orientations, methodological procedures, and illustrative substantive issues pertaining to organizations. Prerequisites: Sociology 101 and 220 (or a statistics course), 497, 498, or consent of instructor.¹

523. Sociology of Deviant Behavior (3) (= Criminal Justice 423) Theories, methods, and substantive issues in the study of social deviancy. Prerequisites: Sociology 101, 340, 350 or 353, 497, or consent of instructor.¹

Spanish

See Foreign Languages.

Theatre and Speech (STHE)

140. Public Address (3) Oral communication and speaking before an audience. Prerequisite: English 102 or consent of instructor.

161, 162. Introduction to Theatre Art (3) Understanding and criticism of dramatic literature, history, and production.

170. Fundamentals in Acting (3) The technique of body and voice control, improvisation, interpretation of characters, and characterization applied in scenes.

260. Theatre Laboratory (1) Participation in theatre production, including stage management, direction, costumes, make-up, lighting, sound, scenery, and business management. No formal class meetings. May be repeated for a total of four credits.

301. Survey of Human Communication (3) Listening skills, nonverbal communication, interviewing skills, mass communication, intercultural communication, and public communication.

310. Principles of Interpersonal and Group Communication (3) Techniques of problem-solving, idea-generation, and decision-making. Prerequisites: English 101, 102, and Theatre and Speech 301.

325. Speech for Radio and Television (3) (= Journalism 325) Principles, standards and skills for broadcast speech in varied formats. Focus areas include pronunciation, enunciation, rate of delivery, pitch, inflection, and use of appropriate terminology in scripted and ad lib delivery. Prerequisites: Theatre and Speech 140 and 240.

¹ Focus is on integration and critical analysis of sociological theories and pertinent research data, and it explores moral issues in sociology. Assessment relies on essay exams, comprehensive research papers, and oral presentations.

340. Voice and Diction (3) The analysis, evaluation, and improvement of speech based on the anatomy and physiology of the vocal mechanism, voice production, and articulation.

372. Design for the Theatre (3) Basic principles of costume, scenic, and lighting design for the stage including drawing and model design, historical research, and analysis of stylistic elements of design. Students complete a set of designs for costumes, scenes, and lights.

373. Play Directing (3) Script analysis and interpretation. The emphasis is on blocking, picturization, and composition culminating in each student's production of a one act play for public presentation. Prerequisite: Theatre and Speech 170.

374. Intermediate Acting (3) Advanced scene production including script analysis, blocking, and character building. Shakespeare and the classics are performed. Prerequisite: Theatre and Speech 170.

375. Theatre History (3) History of theatrical production through an examination of major dramas, dramatists, and dramatic theory. Included is a survey of stage and auditorium architecture, stage machinery, scenery, costuming, lighting, acting, and directing, from the Greek theatre to present.

398. Selected Topics in Theatre and Speech(3)

440. Argumentation and Debate (3) Preparing and delivering the debate and other forms of public address.

444. History and Criticism of American Public Address (3) Critical examination of American speakers and their speeches. Selections represent a variety of philosophies and circumstances, including government, the courtroom and the pulpit. Lecture, reading, and discussion. Prerequisite: Theatre and Speech 140 or permission of the instructor.

447. Persuasive Communication (3) The principles of persuasion in oral communication. Lecture, reading and discussion. Prerequisite: Theatre and Speech 140.

448. Organizational Communication (3) The methods and functions of communication in a variety of organizational settings. Lecture, reading, and discussion. Prerequisite: Theatre and Speech 140 or permission of the instructor.

University (SUNV)

101. The Student in the University (3) The purposes of higher education and the potential role of an individual student within the university and other learning environments. Open to freshmen only.

102. Freshman Orientation (1) The successful transition into higher education through social, personal, and academic development. Considered are topics and activities in study skills, time management, goal setting, careers, health and wellness, responsibility, cultural awareness, and the enhancement of the relationship between the faculty advisor and the student.

103. Freshman Orientation (1) The successful transition into higher education through academic, social, and personal development. Considered are topics and activities in time management, goal setting, responsibility, and careers, with special emphasis on study skills. The academic performance of students, in all classes, is monitored throughout the semester. Required of academic skills students. (Students cannot receive credit for both University 103 and 102.)

201. Leadership Development I (2) Various approaches to the definition of leadership and practical experience in building leadership skills. The critical questions of what is leadership, what are the qualities of a good leader, and what skills does a leader need are examined. Pass-fail credit.

202. Introduction to Leadership II (2) Practical experience in building leadership skills within the context of community-based leadership. The focus is upon the most pressing needs for leadership within the community to allow students to become directly involved with a relevant project. Prerequisite: University 201.

210. Career Planning and Development (3) The planning and implementation of career goals, focusing on self-understanding, meaningfulness, and personal satisfaction, through appraisal of interest, activities and efforts.

301. Critical Analysis and Writing (3) (= Logic 205) The identification and evaluation of reasoning as it occurs in natural language uses. The techniques of careful reading and clear writing are demonstrated through the production of critical essays. Two lecture and one laboratory hour per week. Prerequisite: English 102 or equivalent.

310. Leadership Development Internship (1-4) Practical application of leadership principles through a public service internship. Limited to participants in the Leadership Development Program. Prerequisite: University 202.

401. Senior Seminar in the Humanities (4) Interrelationships between the arts and the humanities with emphasis on perceptual, analytical, and communication skills. Individual topics for study vary. (Consult the instructor for a listing of topics for each offering.) Prerequisites: Art History 106, Music History and Literature 110, University 301, or consent of instructor.

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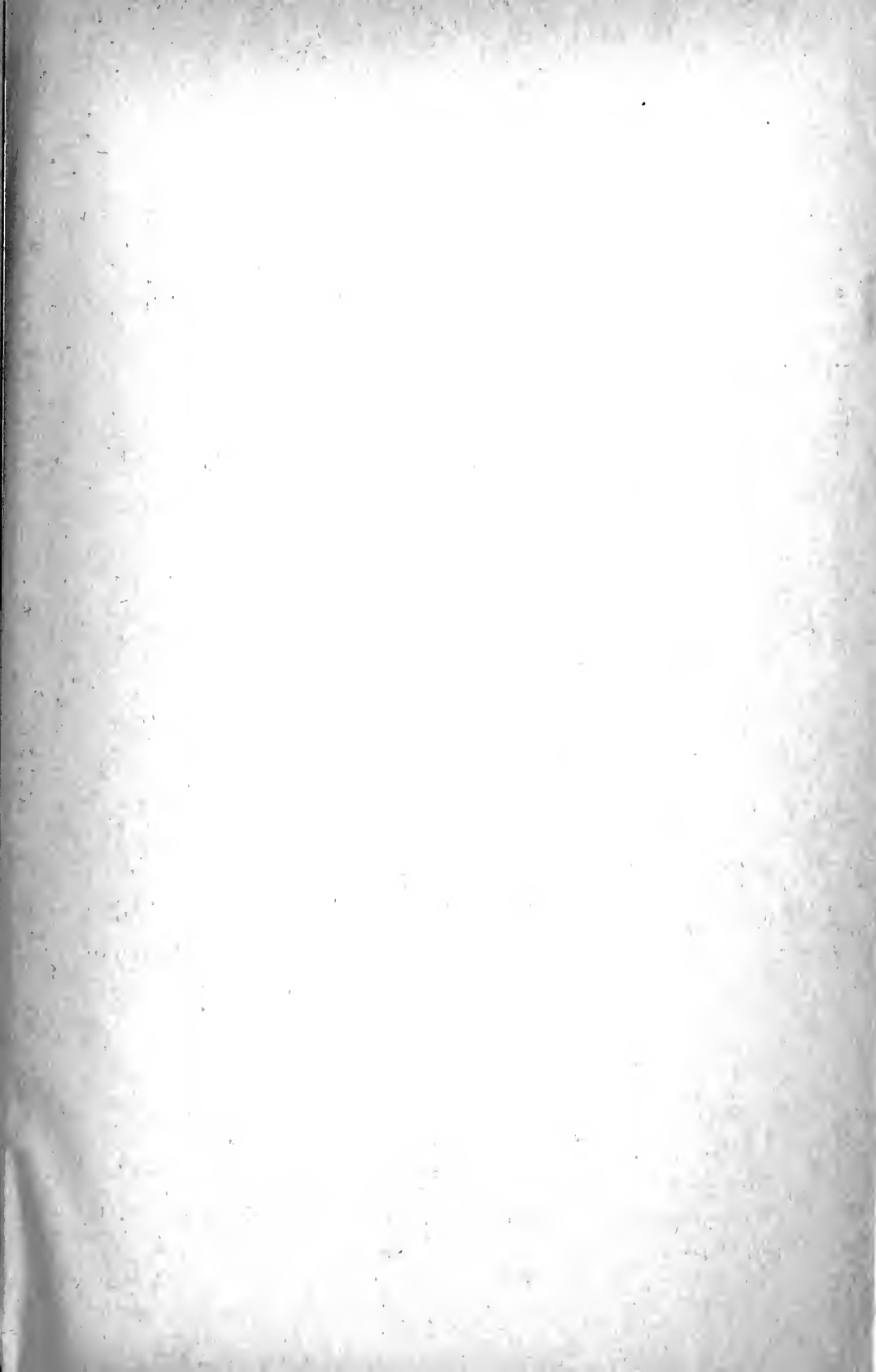
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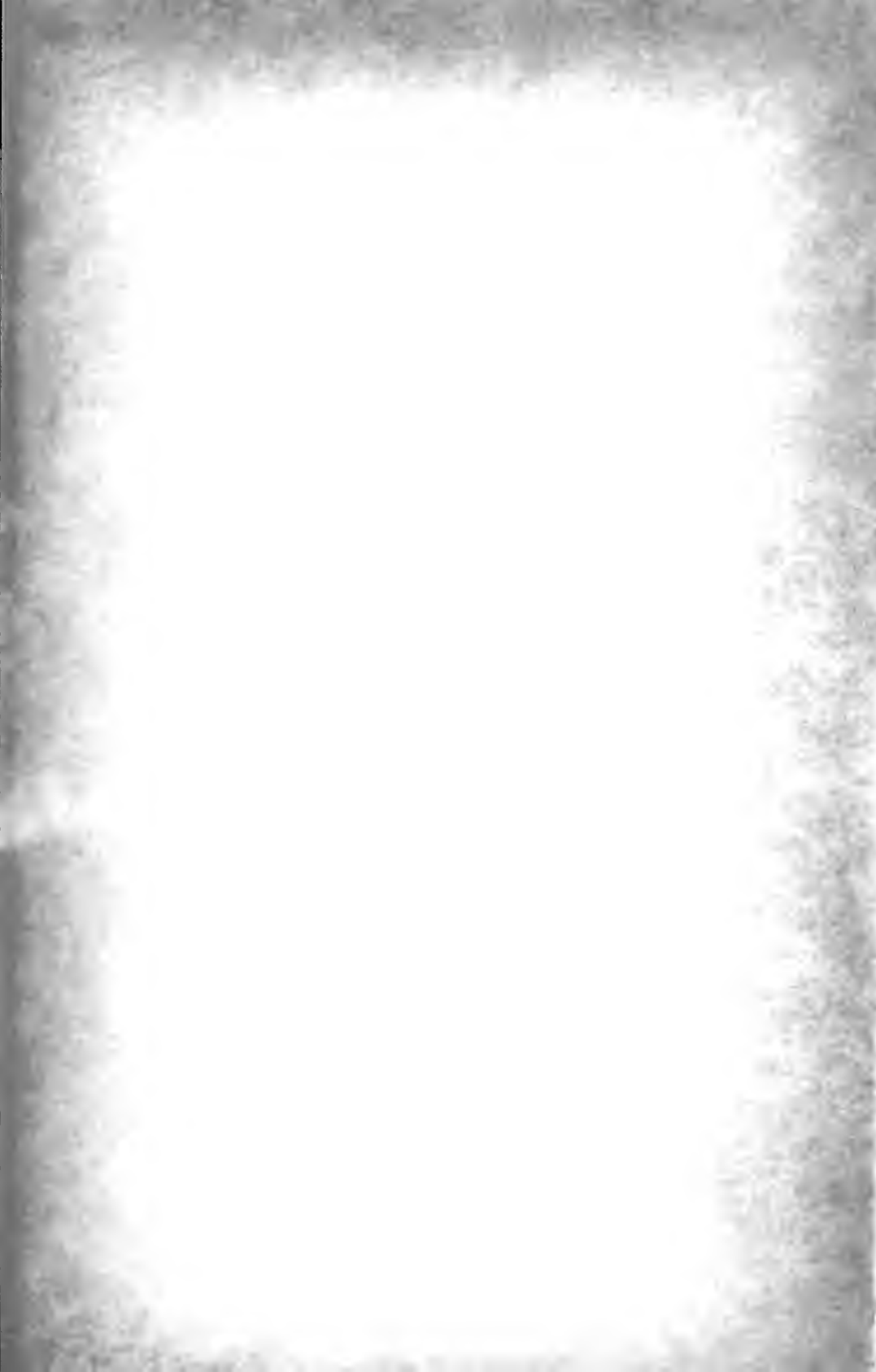
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